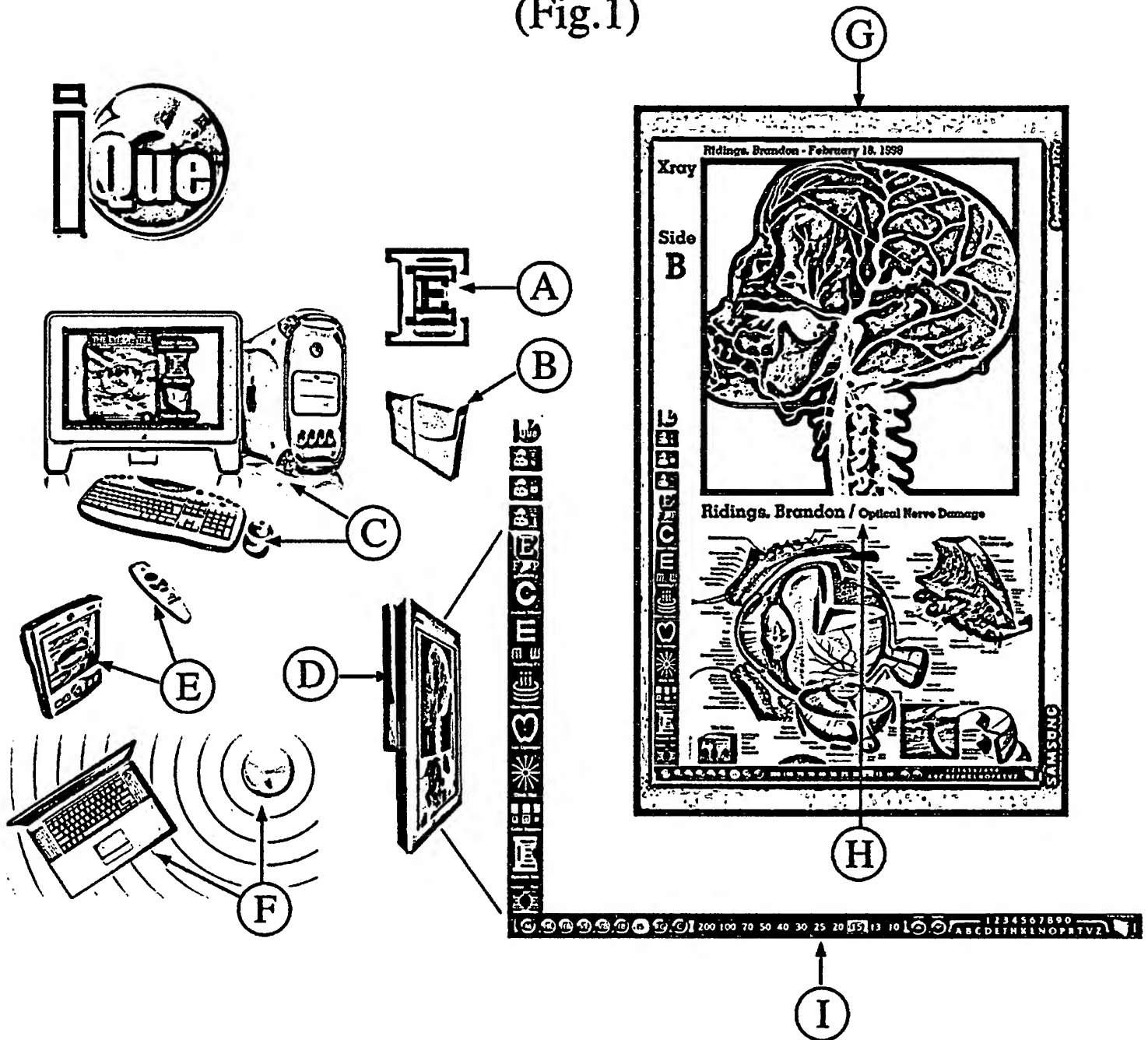


iQue™ - A/VTs (iQue™-Vision) Stand Alone Configuration (Fig.1)

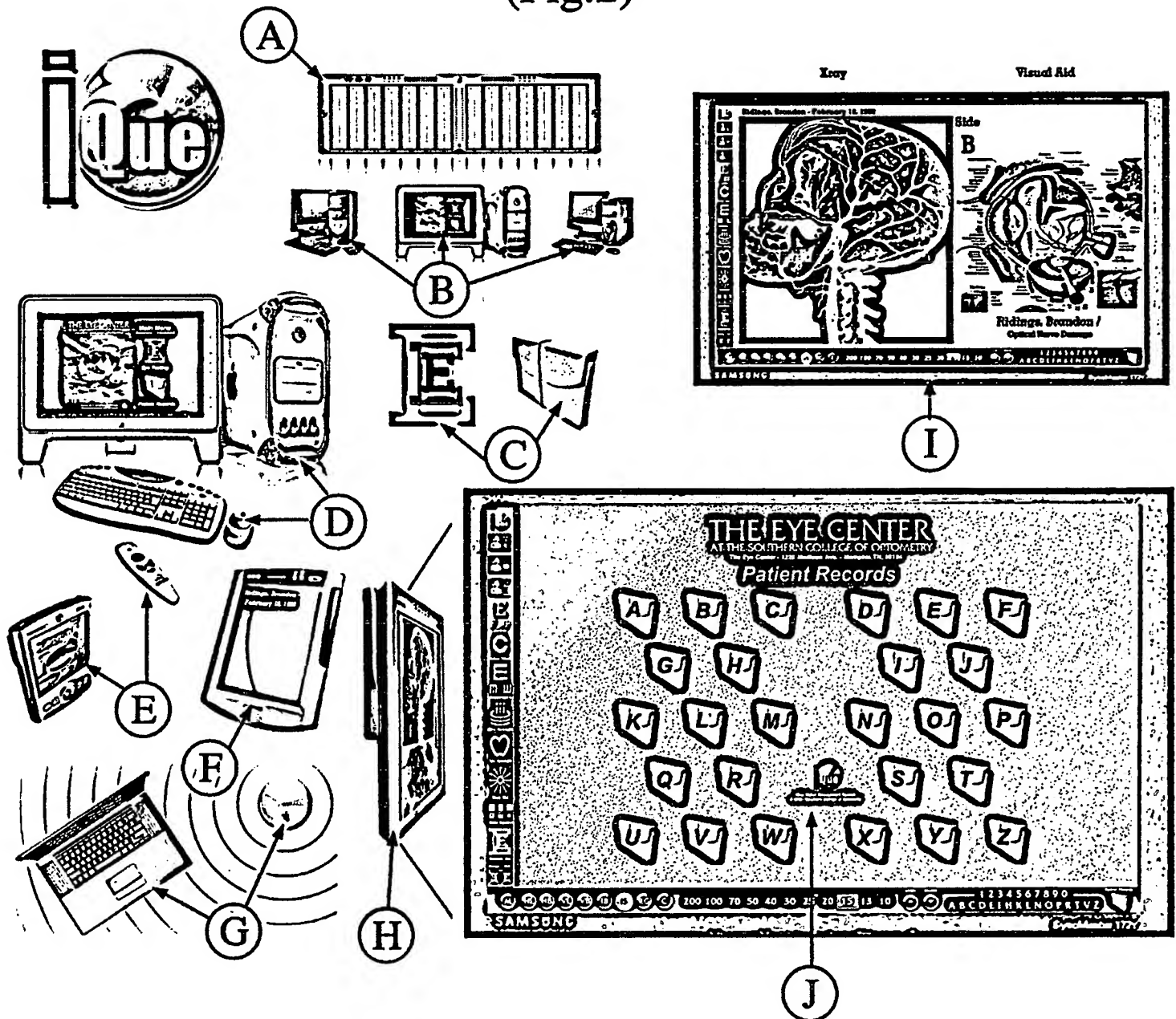


Legend

- A - Desk top Icon for Visual Records
- B - Desktop Icon for Patient Records
- C - Wireless Keyboard / Mouse Control for Internet Access or Patient Data
- D- Wall Mounted Hi-Rez Screen
- E - Optional Palm pilot / Mouse Pointer
- F - Hard Wired or Wireless Network to Link Screen
- G -Hi-Rez 17" - 50" Screens with 500:1 or Higher Contrast Level
- H- Kiosk Interface and screen projection
- I- Kiosk interface Menu Style for easy file access

iQue™ A/VTS (iQue™-Vision)

Multiple Operating Systems on a Unix Server (Fig.2)



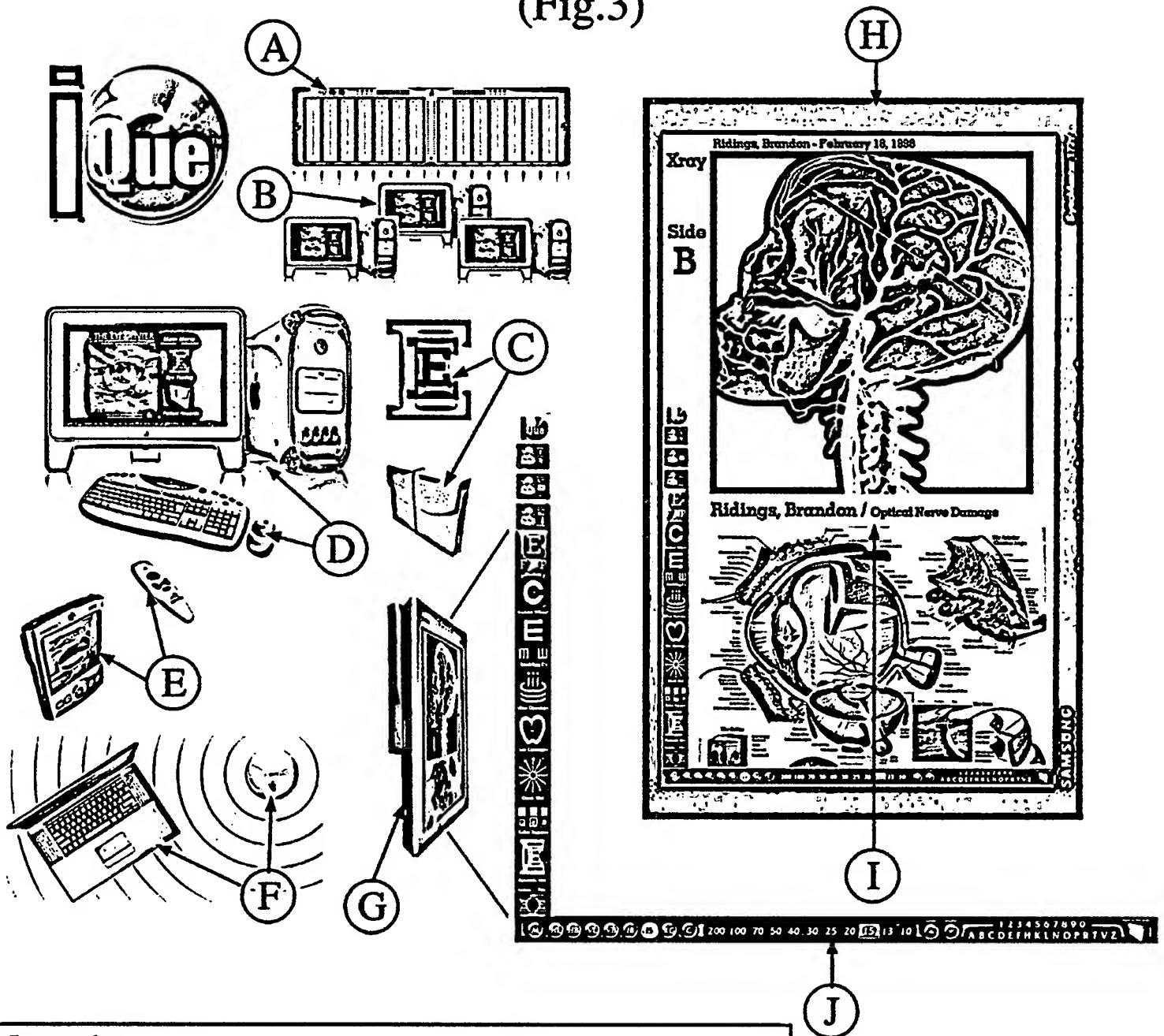
Legend

- A - iQue A.VTS configured on a Unix Server
- B - Cross Platform System include: Windows, Macintosh and RedHat Linux
- C - Desktop Icon for Visual Records and Patient Records
- D - Wireless Keyboard / Mouse Control for Internet Access or Patient Data
- E - Optional Palm Pilot / Mouse Pointer
- F - PC Tablet
- G - Hard Wired or Wireless Network to Linked Screens
- H - Wall mounted Hi-Rez Screen
- I - Hi-Rez 17" - 50" Screens with 500:1 or Higher Contrast Level
- J - Kiosk interface Menu Style for easy file access

iQue™ - A/VTS (iQue™Vision)

Multiple Operating Systems on a Unix Server

(Fig.3)



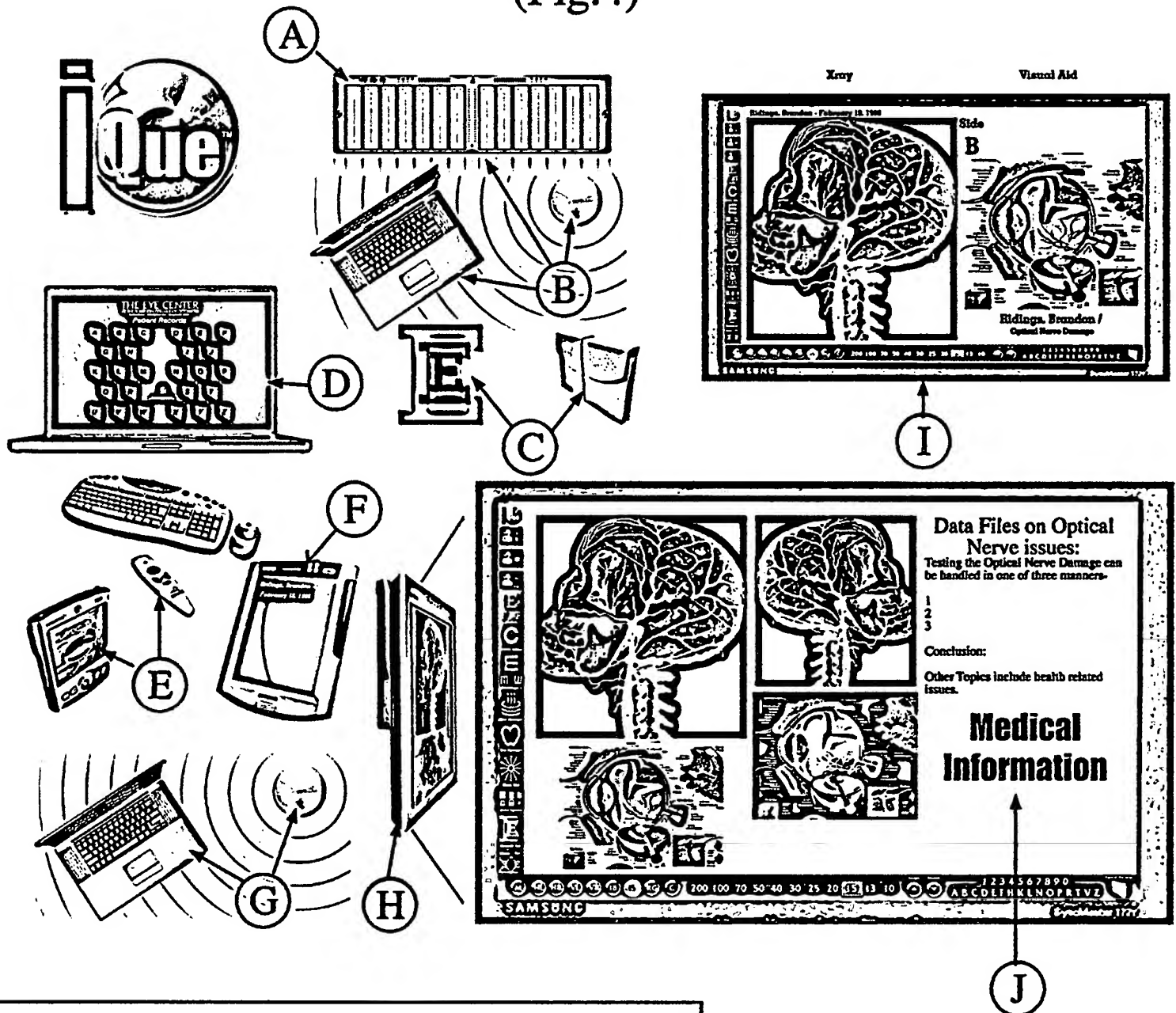
Legend

- A - iQue A.VTS configured on a Unix Server
- B - 250 Users 125 Host Files
- C - Desktop Icon for Visual Records and Patient Records
- D - Wireless Keyboard / Mouse Control for Internet Access or Patient Data
- E - Optional Palm Pilot / Mouse Pointer
- F - Hard Wired or Wireless Network to Linked Screens
- G - Wall mounted Hi-Rez Screen
- H - Hi-Rez 17" - 50" Screens with 500:1 or Higher Contrast Level
- I - Kiosk Interface showing Screen projection
- J - Kiosk interface Menu Style for easy file access

iQue™ - A/VTS (iQue™-Vision)

Portable / Wireless Connection to a Unix Server

(Fig.4)



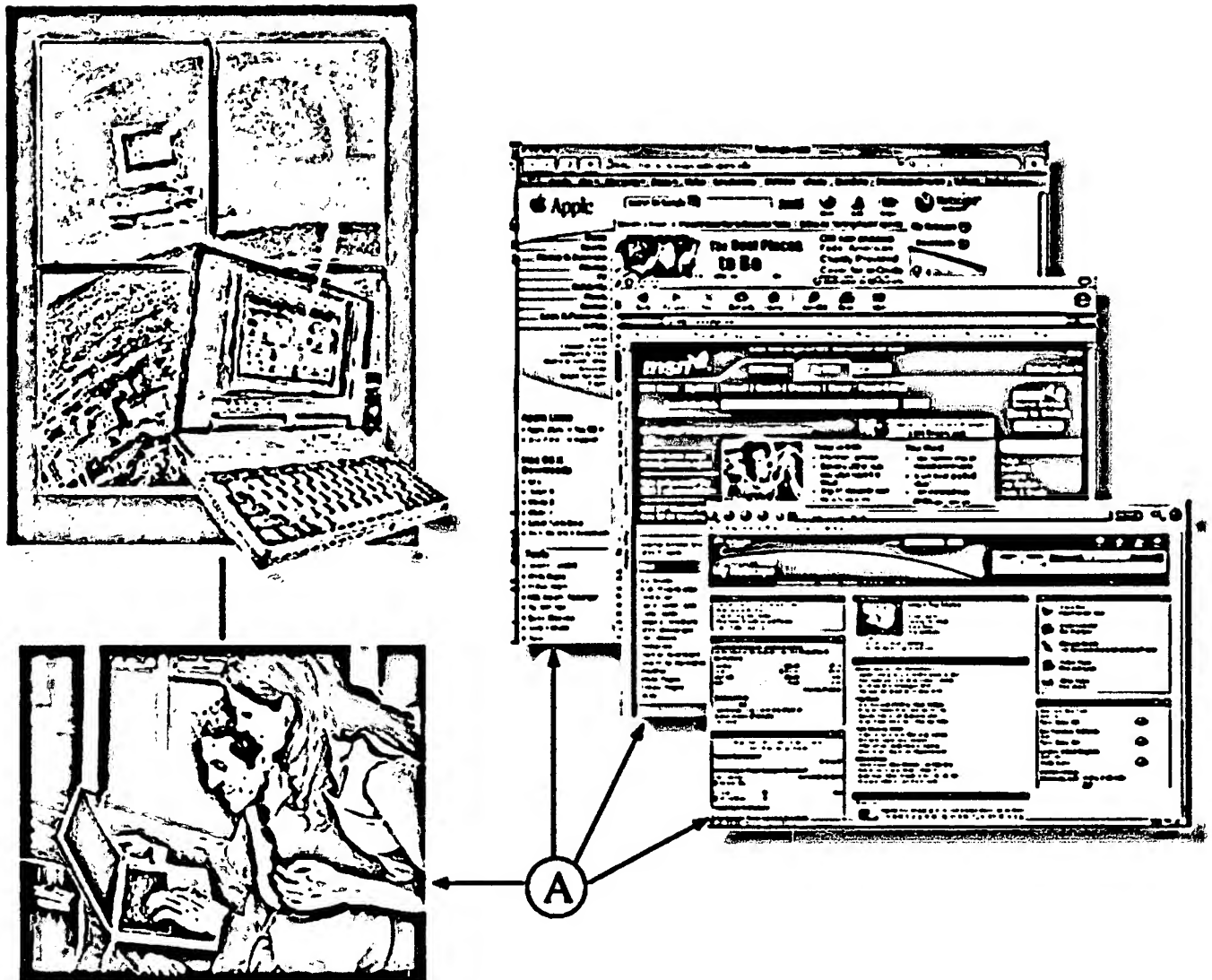
Legend

- A - iQue A.VTS configured on a Unix Server
- B - Wireless connection to server
- C - Desktop Icon for Visual Records and Patient Records
- D - Portable Laptop showing Patient files
- E - Optional Palm Pilot / Mouse Pointer
- F - PC tablet
- G - Hard Wired or Wireless Network to Linked Screens
- H - Wall mounted Hi-Rez Screen
- I - Hi-Rez 17" - 50" Screens with 500:1 or Higher Contrast Level
- J - Kiosk Interface showing Screen projection

iQue™ A/VTs (iQue™ Vision)

Internet Based Home Therapy System

(Fig.5)



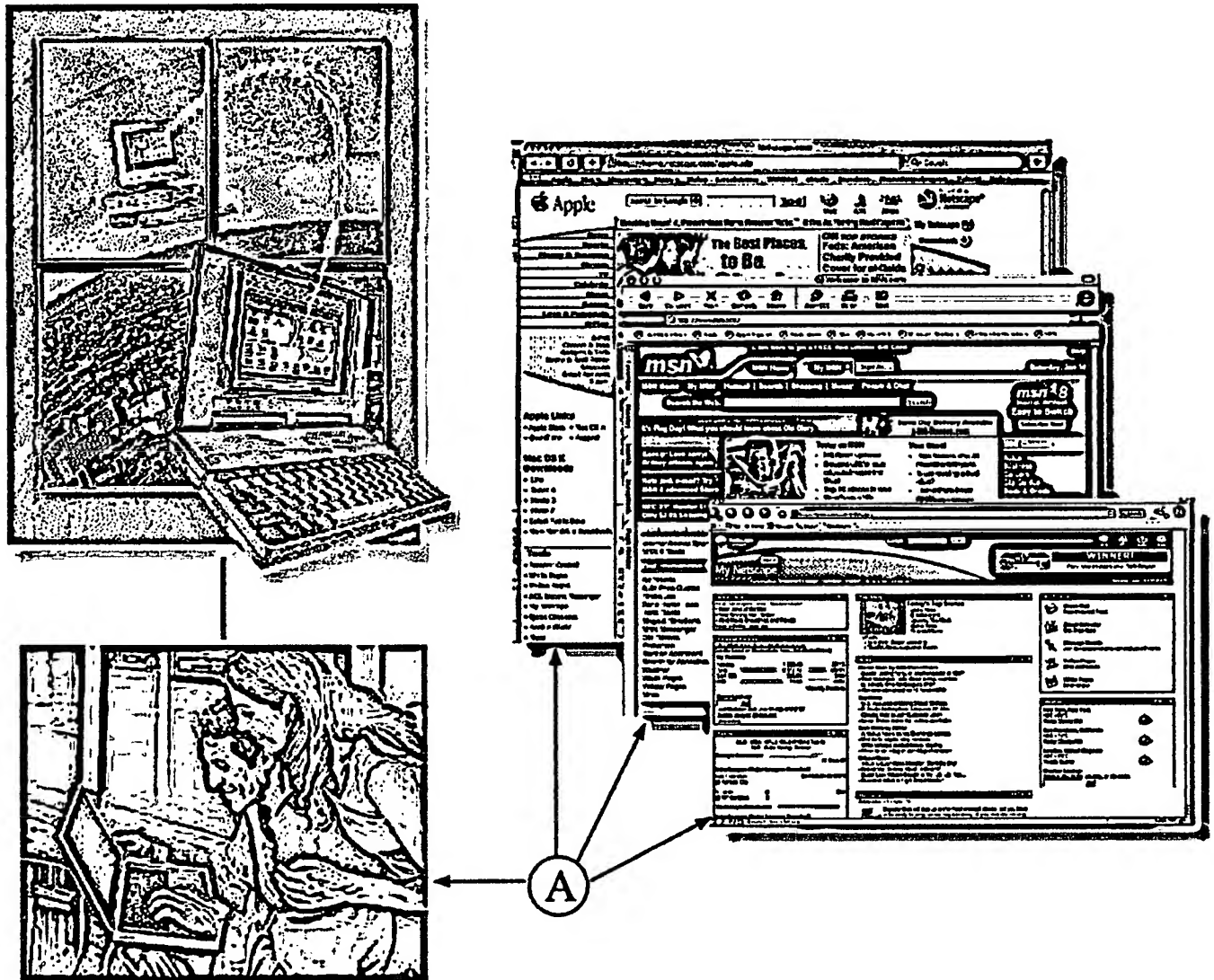
Legend

A- Using any Internet Browser. A patient can access simple therapy test as long as the monitor meets resolution and size requirements

iQue™ - A/VTs (iQue™-Vision)

Internet Based Home Therapy System

(Fig.5)



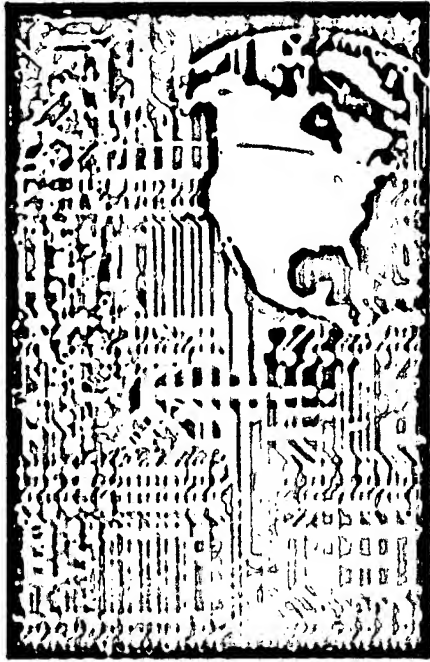
Legend

A- Using any Internet Browser: A patient can access simple therapy test as long as the monitor meets resolution and size requirements

iQue™ A/VTs (iQue™ Vision)

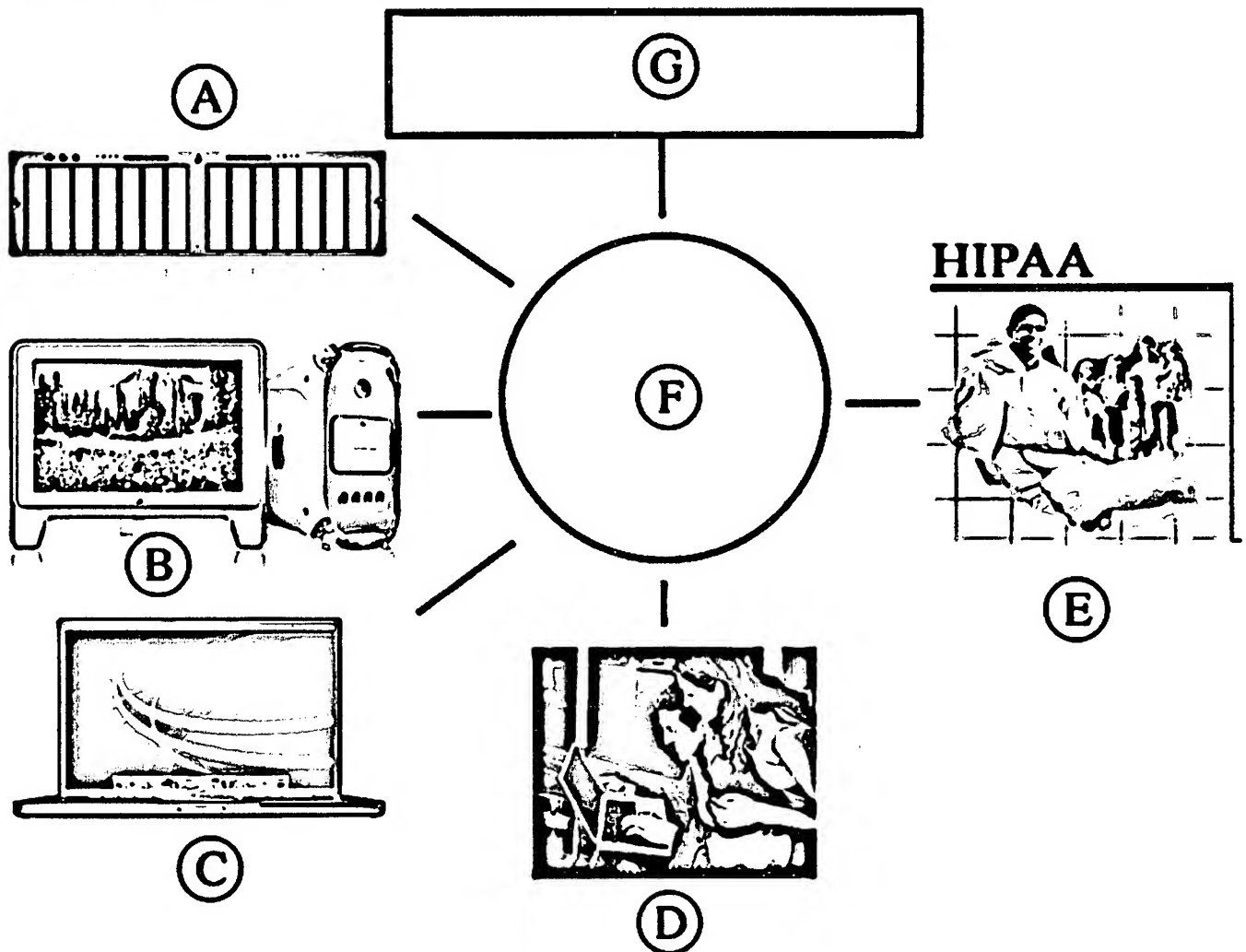
Unix Server Benefits and Connections

(Fig.6)



Legend

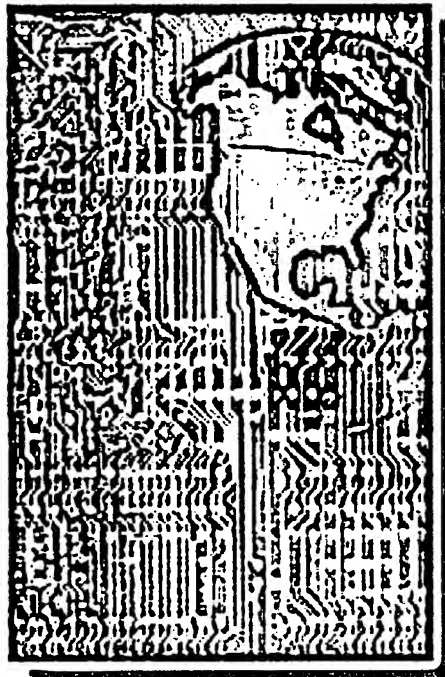
- A - Client Servers
- B - Individual Office systems
- C - Portable Laptop and Wireless
- D - To Home Therapy
- E - HIPAA Compliant with "Off-Site" Backup and Storage on all Medical Records
- F - Internet Global Connection
- G - Company support and connections to Head Quarters for iQue A/VTs -via internet.



iQue™ - A/VTs (iQue™-Vision)

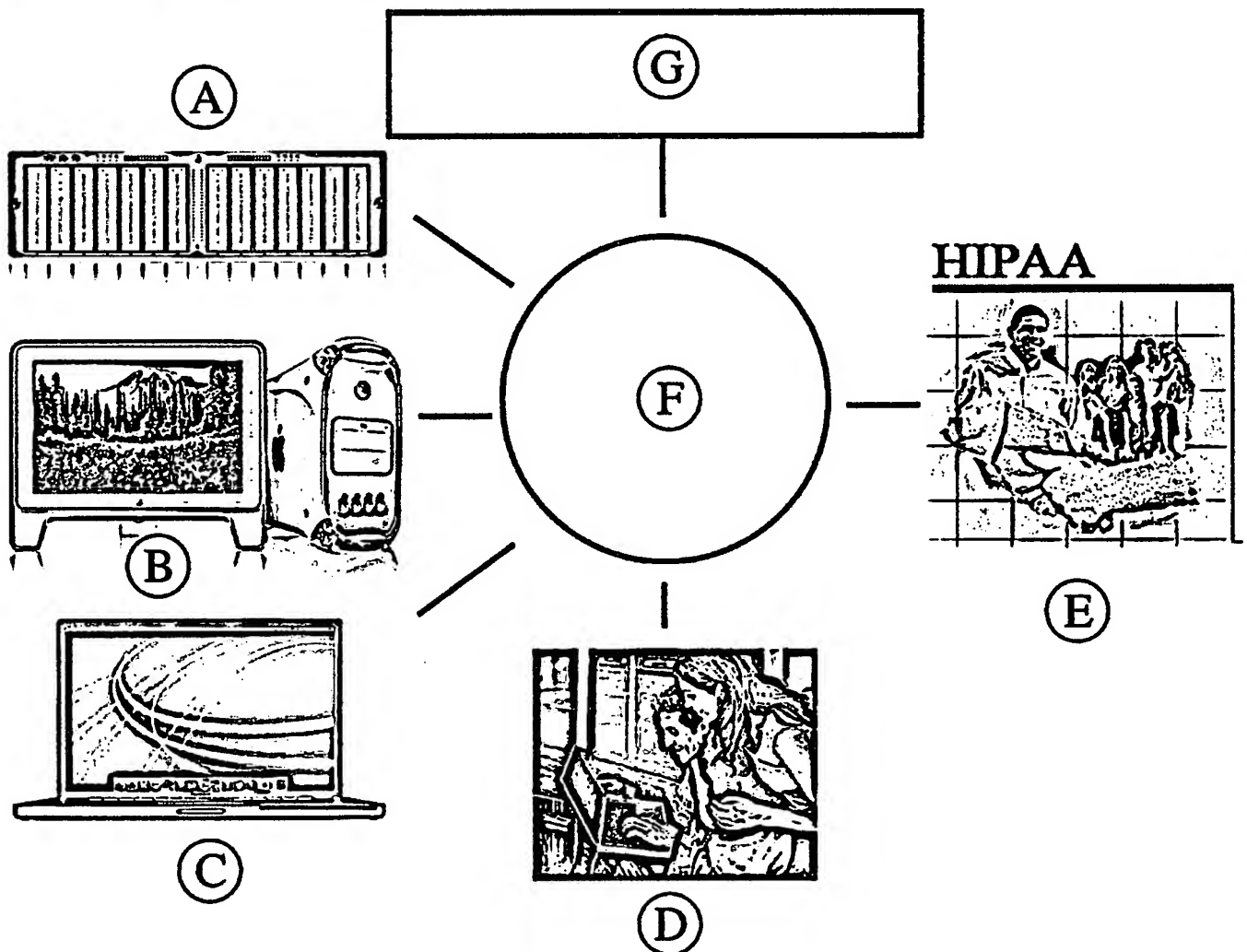
Unix Server Benefits and Connections

(Fig.6)



Legend

- A - Client Servers
- B - Individual Office systems
- C - Portable Laptop and Wireless
- D - To Home Therapy
- E - HIPAA Compliant with "Off-Site" Backup and Storage on all Medical Records
- F - Internet Global Connection
- G - Company support and connections to Head Quarters for iQue A/VTs -via internet.

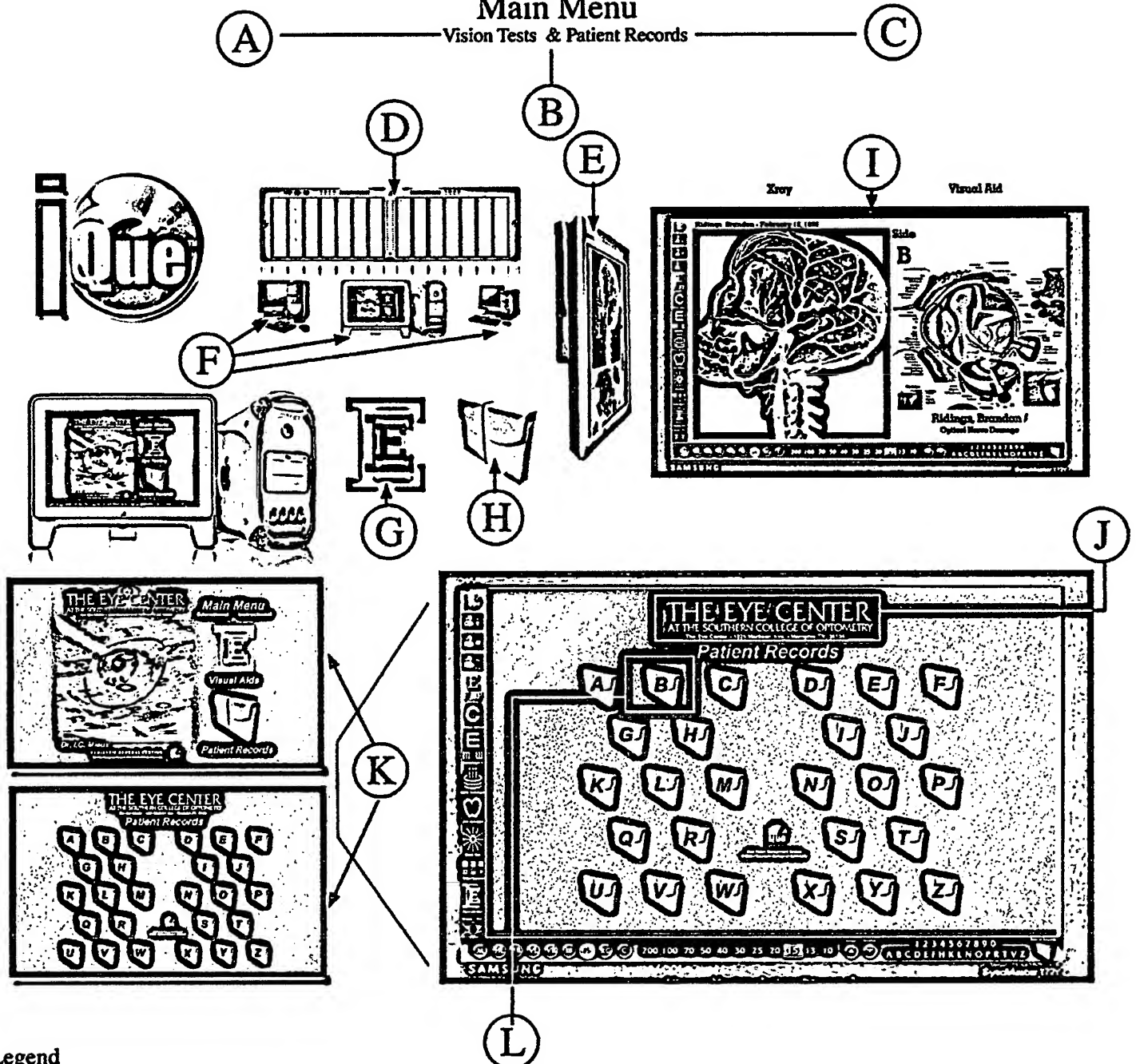


iQue™ A/VTS (iQue™ Vision)

Functionality & Menu Control

(Fig. 7)

Main Menu



Legend

- A - Include: Charts, Graphs, Photos Illustrations, Xrays and Video Movies and more
- B - Include: Internet Servicing w/ Audio /Video Conferencing
- C - Include: Administrative Data, Financial, Privacy, Medical History, Exam Profile and Medical Release forms
- D- Unix Server
- E - Wall mounted Hi-Rez Screen
- F - Multiple OS's
- G- Desktop Icon for Visual Records
- H- Desktop Icon for Patient Records
- I- Hi-Rez 17" - 50" Screens with 500:1 or Higher Contrast Level
- J- Customized Screens for Doctors preference / samples include but are not limited to these designs:
- K- Kiosk Mode Style Menus Simple Touch the Screen or use a mouse to select the desired results.
- L- Using the kiosk menu system gives the Doctor complete control over the entire exam procedure.

Measurement Formula for 20/20 Vision

$$\tan \Theta = h/d$$

$$\tan 5' = h/6m; h = 8.73mm$$

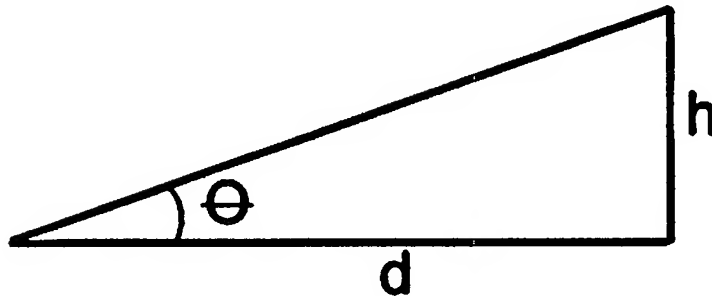


Figure 8 Replacement Sheet

Digital Acuity Vision Testing Formula (DAVTF)

The digital minimum formula is:

400:1 Contrast Sensitivity or >

@ 1° true rez visual acuity letters

@ min screen resolution of 1024x768 or >

4500K ambient light or >.

$$\tan \Theta = h/d$$

400:1 > @ 1°TR

SR 1024 x 768 > /4500K >

$$\tan 5' = h/6m; h = 8.73mm$$

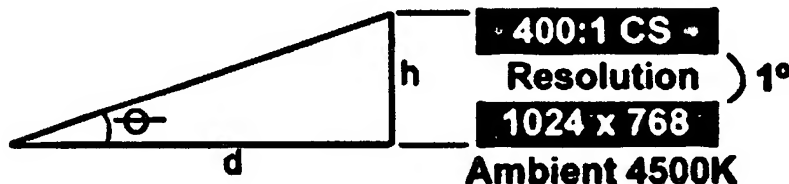


Figure 8 Replacement Sheet

TOPCON

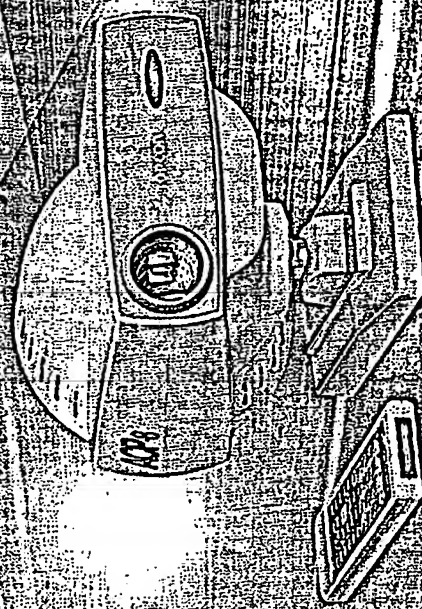
TOPCON

Creation
TOPCON - ACS
70 years of highest quality

AUTO CHART PROJECTOR

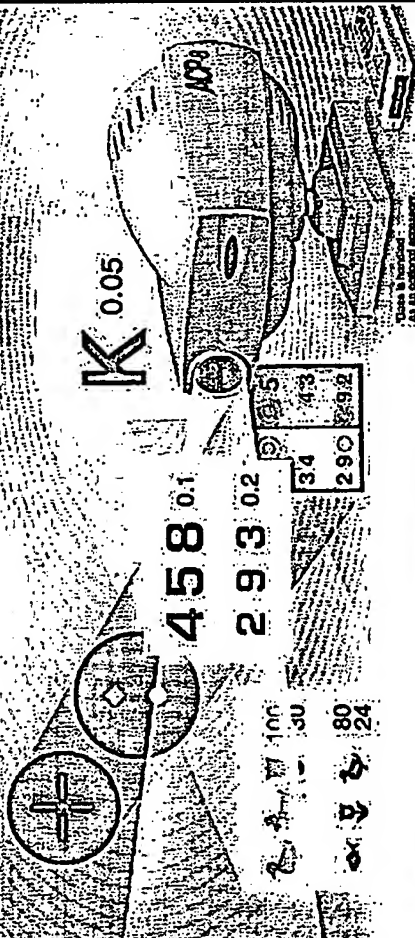
ACP-8 NEW

EMEME 0.3
WEMEM 0.4
EEMME 0.5



VERSATILE... QUICK... CONVENIENT... FUNCTIONAL

The TOPCON ACP-8 EXTRA Auto Chart Projector provides improved sharp and clear image projection and fast chart rotation. A cordless remote controller allows instant projection of the 30 test charts at a rate of 0.03 seconds per frame. In addition, the ACP-8 can offer 3 x 5 character charts with a wide projection size (330 x 270) for fast and efficient testing.



Features

- o Coupled with CV-3000**
The ACP-8 course can be remote controlled directly with the TOPCON Charge Vision CV-3000 remote transmitter. This combination allows the operator to quickly and easily access all functions for general visual examination.
- o Program Settings**
The ACP-8 course can be programmed to project a specific sequence of charts for maximum flexibility and reduction waste.
- o Single Character Masking**
The versatile masking capabilities of the ACP-8: below, other projection of a single character at a time.
- o Tilt Function**
The horizontal axis of the projector can be adjusted to guarantee a perfectly positioned projection on the screen.
- o Easy Setup and Maintenance**
It is very easy to replace the bulb. You needn't adjust the position and focus of the bulb after replacement.

Figure 9A Replacement Sheet

Figure 9A Replacement Sheet

TOPCON

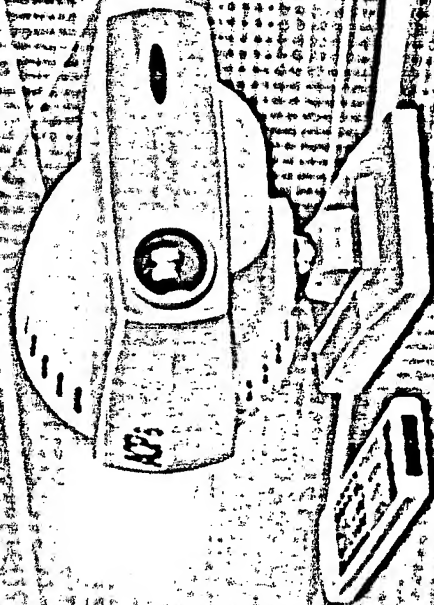
TOPCON

Creation
The Power of Precision

AUTO CHART PROJECTOR

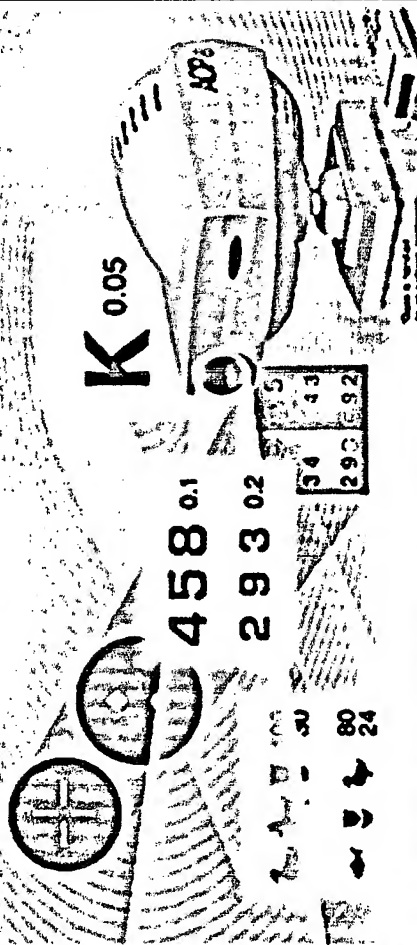
ACP-8 NEW

EM3WE 0.3
WM3M 0.4
E3WME 0.5



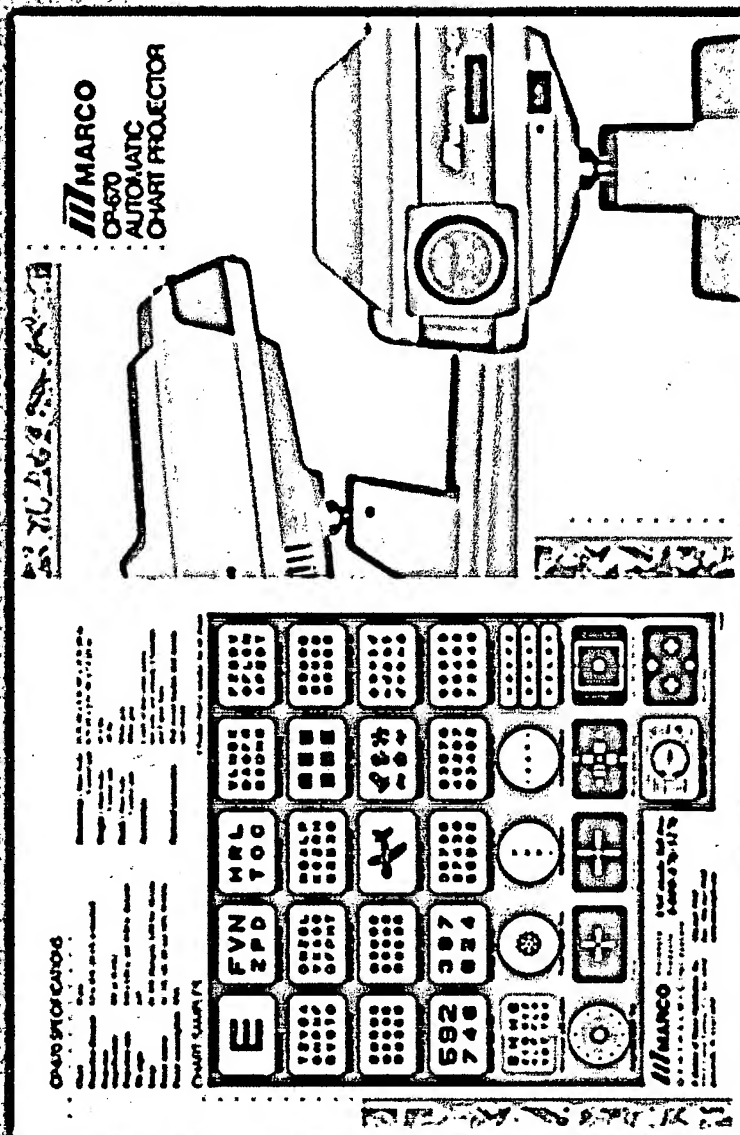
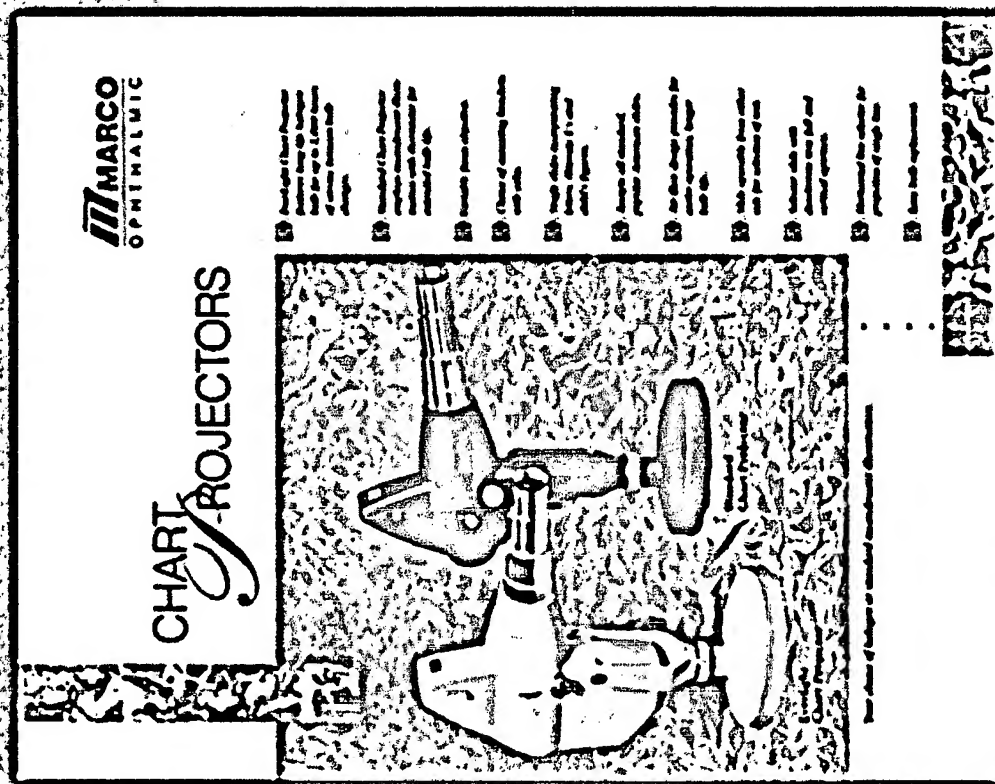
VERSATILE... QUICK... CONVENIENT... FUNCTIONAL

The TOPCON ACP-8 features Auto Chart Projector provides improved sharp and clear image projection and fast chart rotation. A built-in remote controller allows convenient projection of the 30 test charts at a rate of 0.03 seconds per frame. In addition, the ACP-8 can offer 3 x 5 character charts with a wide projection size (330 x 270) for fast and efficient testing.



Features

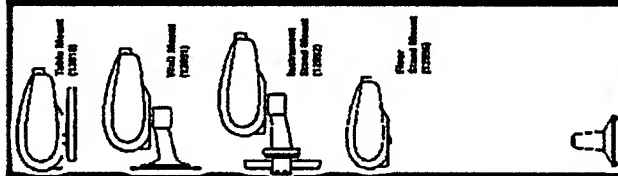
- Coupled with CV-3000**
The ACP-8 system can be remote controlled directly with the IIS CV-3000 (3 mps) Vision CV-3000 remote control. The construction about the operator is quick and easy access all functions for optimal video extraction.
- Program Settings**
The ACP-8 system can be programmed to project a specific sequence of charts for maximum flexibility and within test time.
- Single Character Masking**
The unique masking capabilities of the ACP-8 system allow projection of a single character out of a line.
- Tilt Function**
The rotation rate of the projector can be adjusted to generate a perfectly projected picture on the screen.
- Easy Setup and Maintenance**
It is very easy to replace the bulb. You merely adjust the position and focus of the bulb after replacement.



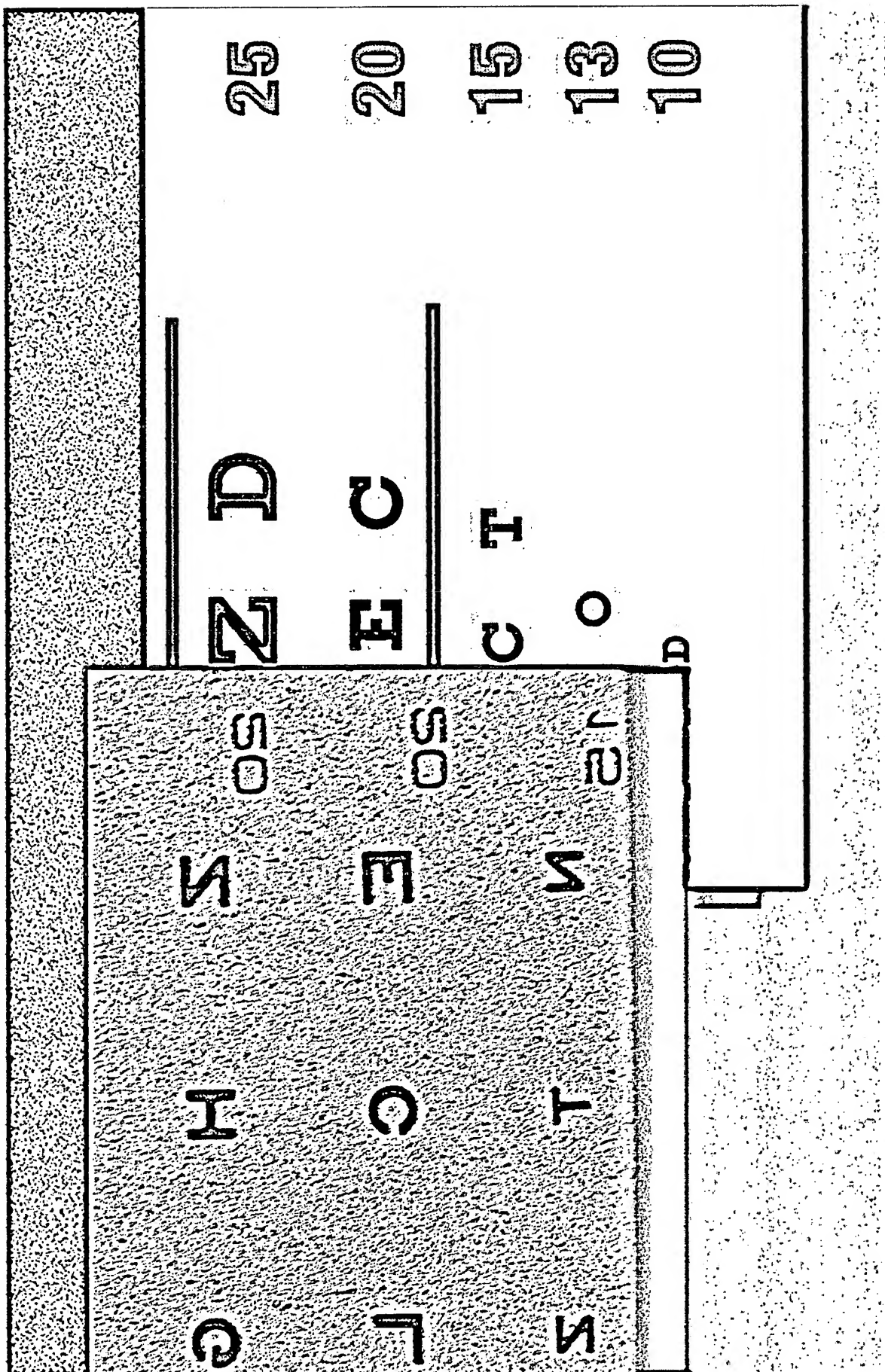
MARCO

REICHERT

Designed to Meet Your Needs
Your choice of film, table, wall or instrument stand mounts offers the utmost in floor plan flexibility. Exemplified in value with any accessory, the AP250 complements any Microc.



Letter Charts	Number Charts	Alphabetic Charts	Children's Charts	Special Charts



OBSERVATIONS

Bulb Life

Bulbs & Halogen Bulbs

Halogen Bulbs burn at 3000 - 3500K

Brightness of the bulb during its life

2 - 3 years - \$50 - \$550 Replacement

Slide Test

Easy Access to different Slides

Damage due to wear and tear

Limited Number of Tests

Fuzzy Letter over any distance

No Color Screening

Winter Heater

Not Much fun...

Room Lighting

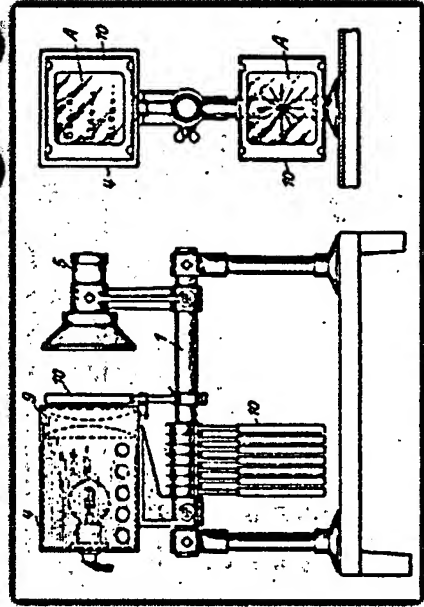
Silver Oxide (Gray) Screens

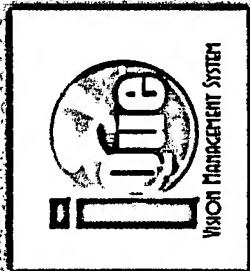
Contrast Lighting < 250:1

Room Lights 4000 - 6500K

Dim the room lights to see the screen

No Real World Lighting

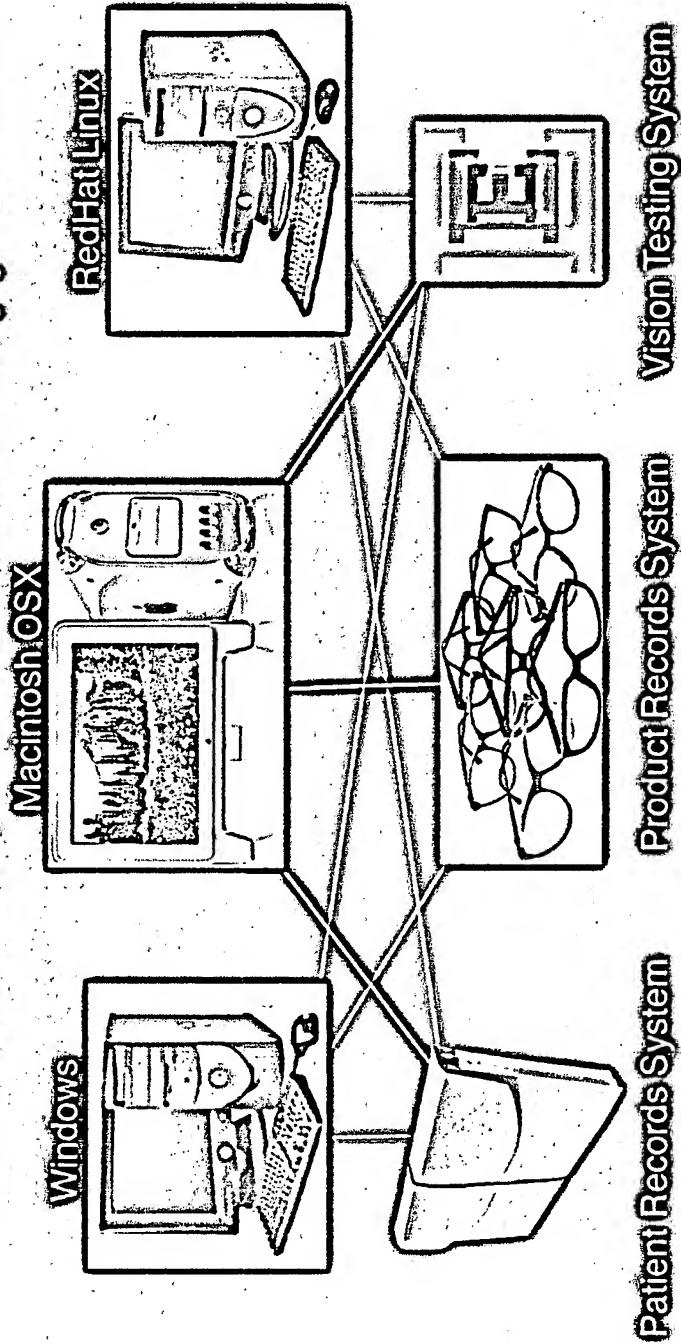




Configurations

Compatible with:

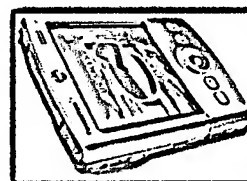
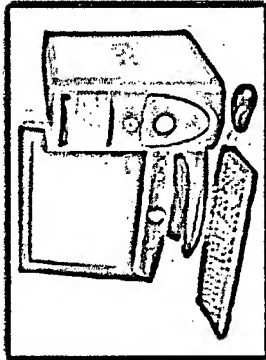
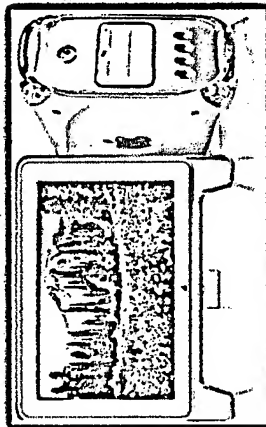
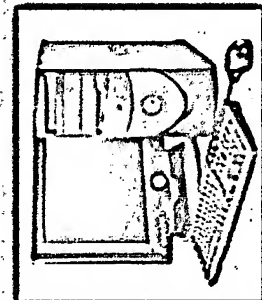
Windows, Mac OSX, RedHat Linux
over TCP/IP, IXP/SPX and Apple Talk



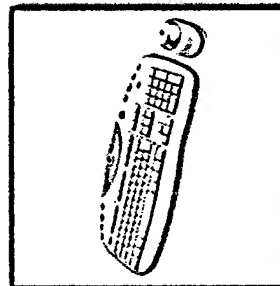


Doctors Tools

Optional



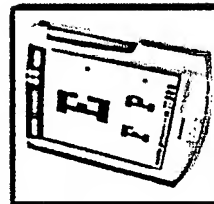
PDA



**Wireless
Keyboard
Mouse**



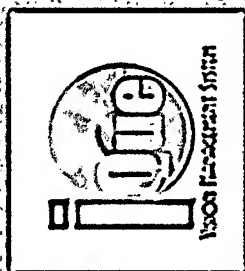
**Wireless
Pointer
Mouse**



**PC
Tablets**

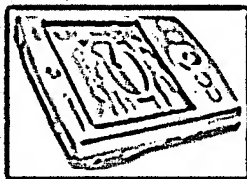
Figure 13 Replacement Sheet

Figure 13 Replacement Sheet

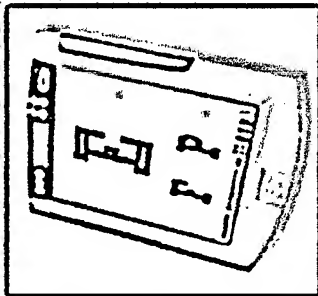


More Doctors Tools

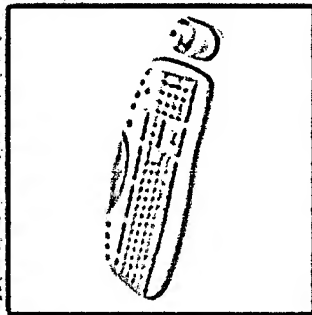
Wireless Network



PDA



PC Tablets



Wireless Keyboard/
Mouse

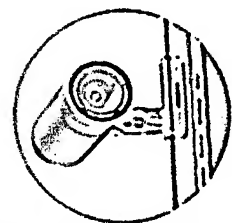


Wireless
Pointer/Mouse

Access files

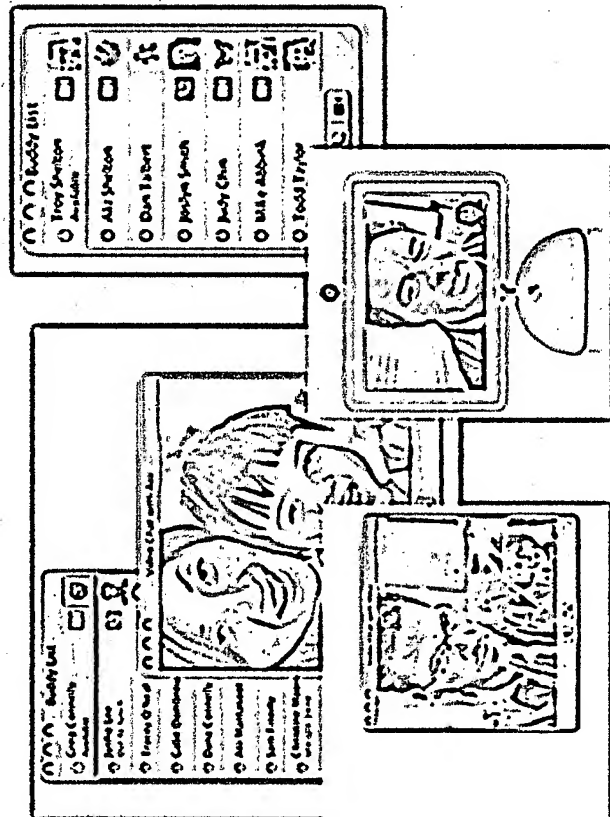
Access the Web

Check E-Mail



iSight

The eyes and ears
of iChat AV.



Under Mac OS X

Using the

AOL Buddy List

Internet Audio

Phone Calls

Video conference

iSight Web Cams



Terminal — tcsh (tty1)

```
logins: Wed Jul 16 08:22:41 on tttyp1
Welcome to Darwin!
[root@med-os-computer:~] multi med os [ ]
```

Technical Internet Service with Backdoor Terminal Access

...and best of all!

VISION MANAGEMENT SYSTEM

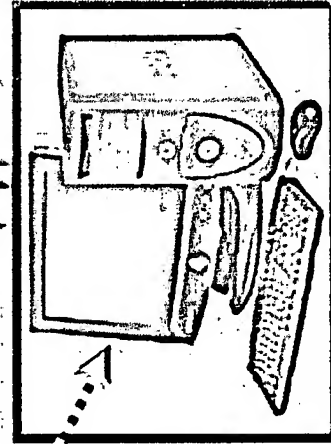
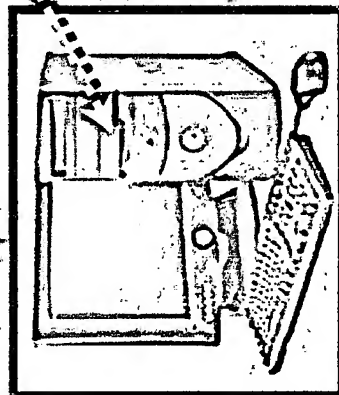


Figure 16A Replacement Sheet

Choice-Basic Menus

iQue Vision Testing
REPLACES THE MAINS MENU WHEN YOU ARE READY TO TEST

Main Menu
Educational Instructional

iQue Vision Testing 20/20 Animation
REPLACES THE MAINS MENU WHEN YOU ARE READY TO TEST

Main Menu 20/20 Slides

iQue Vision Testing

iQue Vision Testing

iQue Vision Testing 20/20 Slides

REPLACES THE MAINS MENU WHEN YOU ARE READY TO TEST

Main Menu 20/20 Animation Educational Instructional

Spellen	Broken Wheel
Clock Dial	Numbers
Tumbling E's	Dot Test
Dynamic Tools	Phoria Testing
Las Optotype	Allen Optotype
Color Squares	R&G Letters
ISO Letters	Fixation
HTOV	

Dr. J.C. Meux

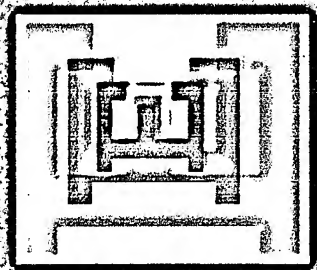
iQue
PEDIATRIC ORTHOKINETICS

iQue Vision Testing

Figure 16A Replacement Sheet



Choice - Clinical Menus



Solid Color

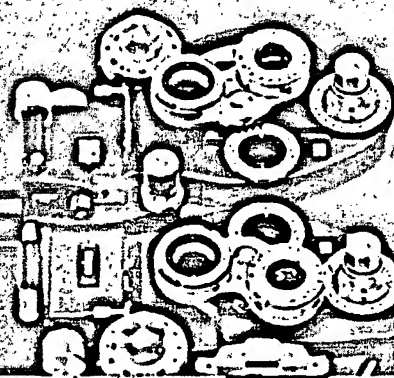
I.C. Mueix Eye Center (The Vision Testing System)
Created by
Dr. Your Name Here

Gradient Color

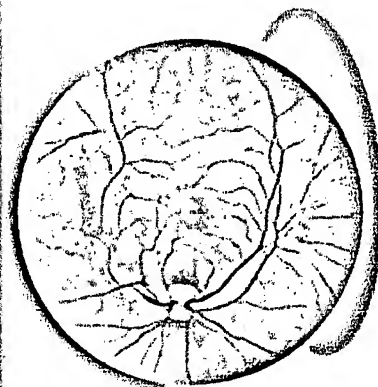
I.C. Mueix Eye Center (The Vision Testing System)
Created by
Dr. Your Name Here
Test Menu

Phoropter S/G

I.C. Mueix Eye Center (The Vision Testing System)
Created by
Dr. Your Name Here



Retina S/G



I.C. Mueix Eye Center (The Vision Testing System)
Created by
Dr. Your Name Here

Test Menu
2020 Addition 2020 Subtraction
2020 Addition 2020 Subtraction

• **Clinic Name**
• **Doctors Name**

Figure 16B Replacement Sheet

Figure 16B Replacement Sheet


Figure 16C Replacement Sheet

Choice - Custom Menus

PDF Proofing - Email

I.C. Mueix Eye Center Vision Testing System


Created by **Dr. Samantha Sharp**



Test Menu

- 20/20 Animation
- 20/20 Slides
- 20/20 Slides Mirrored

I.C. Mueix Eye Center Vision Testing System




Test Menu

- 20/20 Animation
- 20/20 Slides
- 20/20 Slides Mirrored

I.C. Mueix Eye Center Vision Testing System

Created by **Dr. Diane Lee**




Test Menu

- 20/20 Animation
- 20/20 Slides
- 20/20 Slides Mirrored

I.C. Mueix Eye Center Vision Testing System

Dr. David Reynolds




Test Menu

- 20/20 Animation
- 20/20 Slides
- 20/20 Slides Mirrored

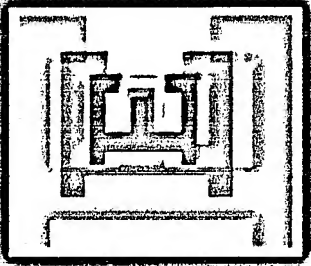
• Clinic Designs • Professional Designs • Personal Designs

Figure 16C Replacement Sheet

Figure 17 Replacement Sheet

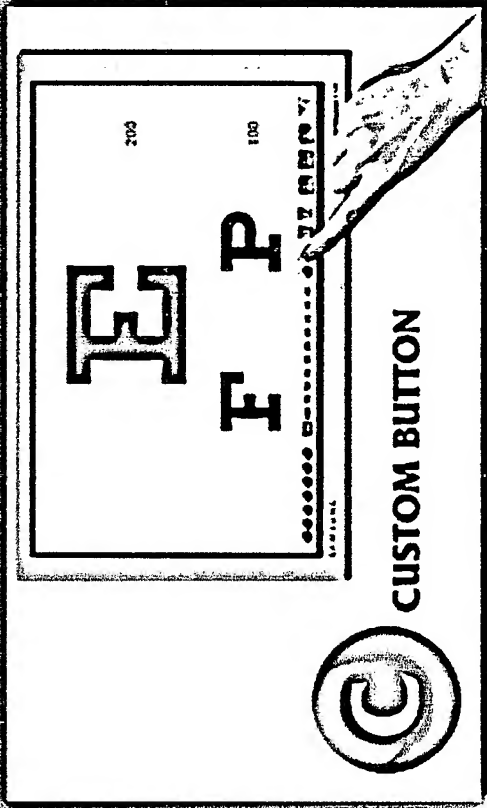


Choice=Custom Button



Doctor Orders!

All-In-One

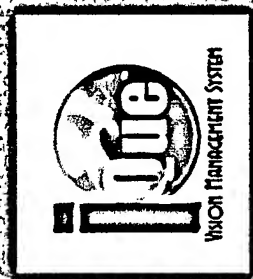


Snellen
Broken Wheel
Clock Dial
Numbers
Tumbling E's
4 Dot Test
Dyanmic Tools
Phoria Testing

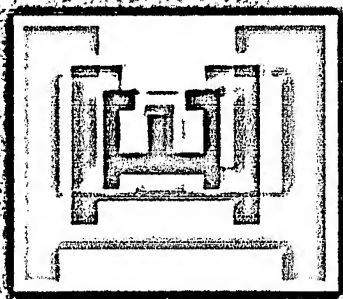
Lea Optotype
Allen Optotype
Color Squares
R&G Letters
ISO Letters
Fixation
HIOV

40>15 Snellen - HOTV 30>15 - Allen 40>20 - Tumbling E 70>15 - 4 Dot > close with R&G

Figure 17 Replacement Sheet



iQue Vision Testing System



15 Slide Test

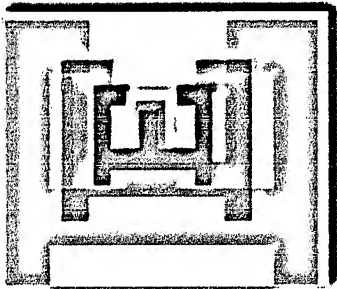
15 Animated Test

Snellen	Lea Optotype	Snellen	Lea Optotype
Broken Wheel	Allen Optotype	Broken Wheel	Allen Optotype
Clock Dial	Color Squares	Clock Dial	Color Squares
Numbers	R&G Letters	Numbers	R&G Letters
Tumbling E's	ISO Letters	Tumbling E's	ISO Letters
4 Dot Test	Fixation	4 Dot Test	Fixation
Dyanmic Tools	HTOV	Dyanmic Tools	HTOV
Phoria Testing		Phoria Testing	

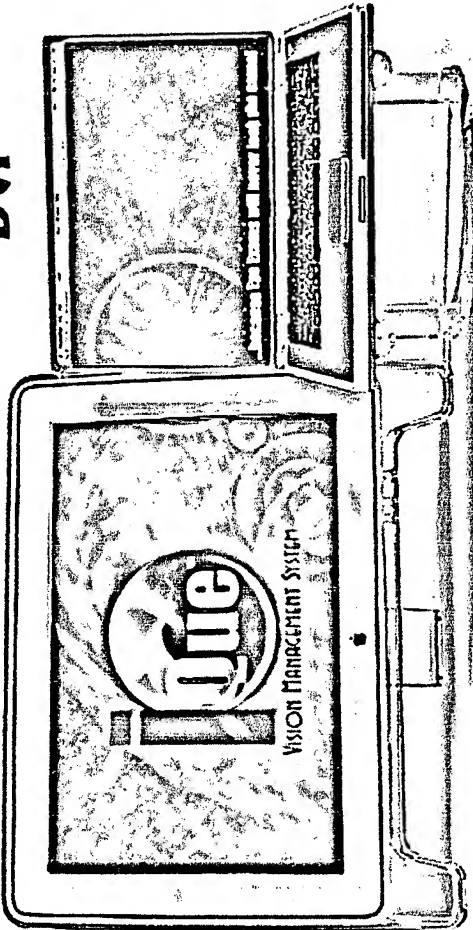
Snellen Test has 81 Slides - Over 300 tests



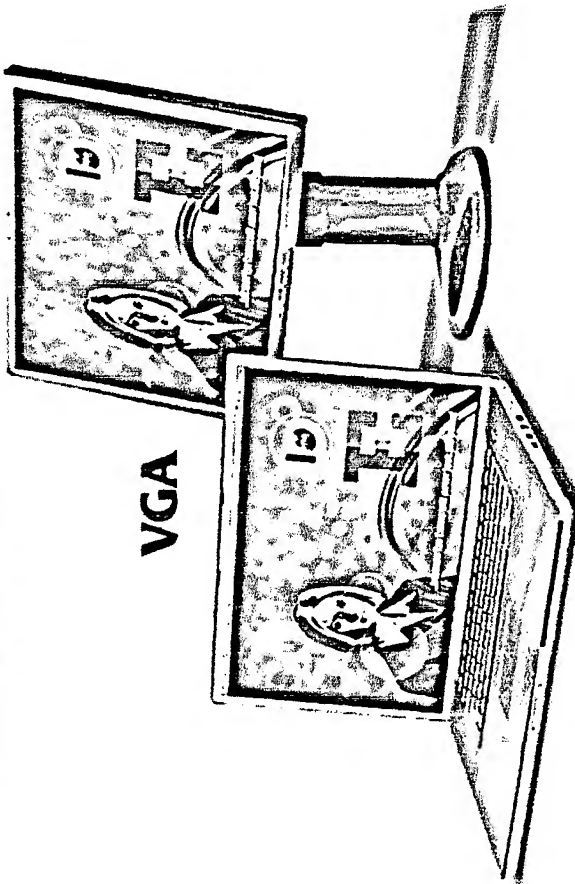
Stand Alone Configuration



DVI



VGA

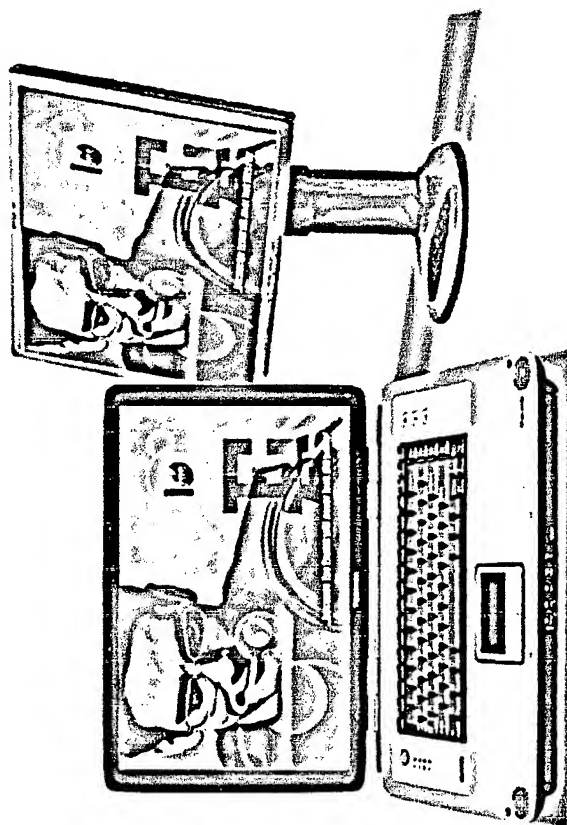
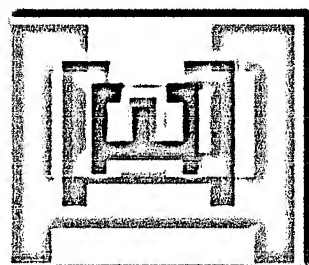


15" & 17" Apple Powerbook
Touch Screen

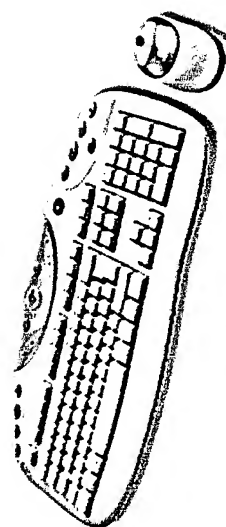
Figure 19B Replacement Sheet



PC Stand Alone Configuration



Toshiba P25-S609 - 17"

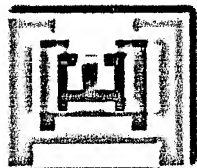
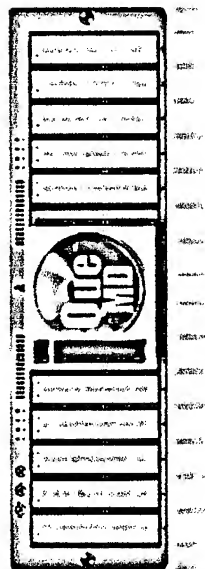
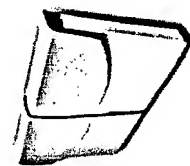


**Wireless
Keyboard / Mouse**

Figure 19B Replacement Sheet

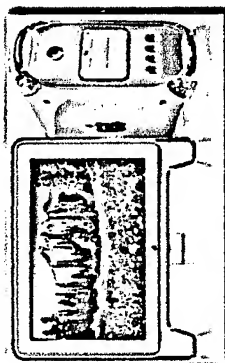


Cross Platform with Server Connection

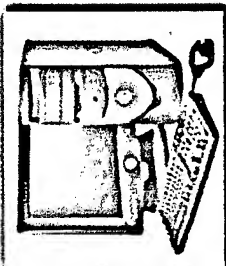


Patient / Admin Records

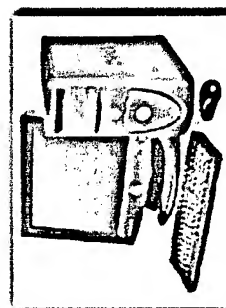
Vision Testing Side



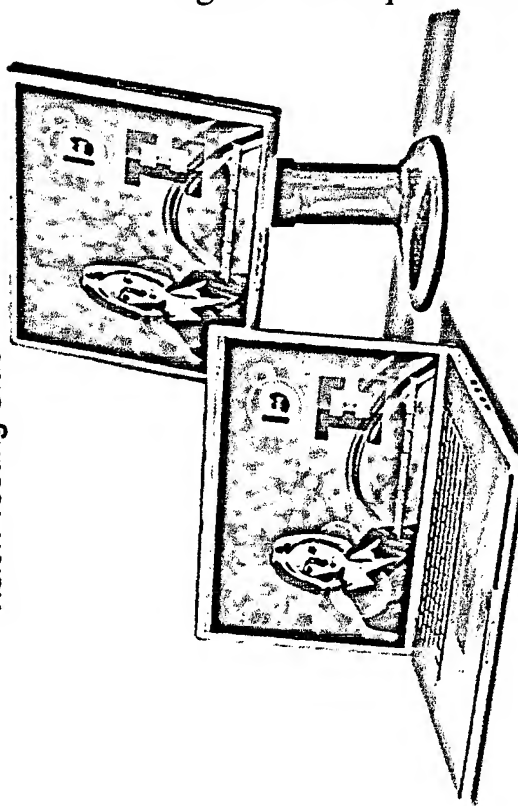
Macintosh OSX



Windows OS



RedHat Linux



Choice of Platform or Existing System

Figure 19C Replacement Sheet

Figure 19C Replacement Sheet

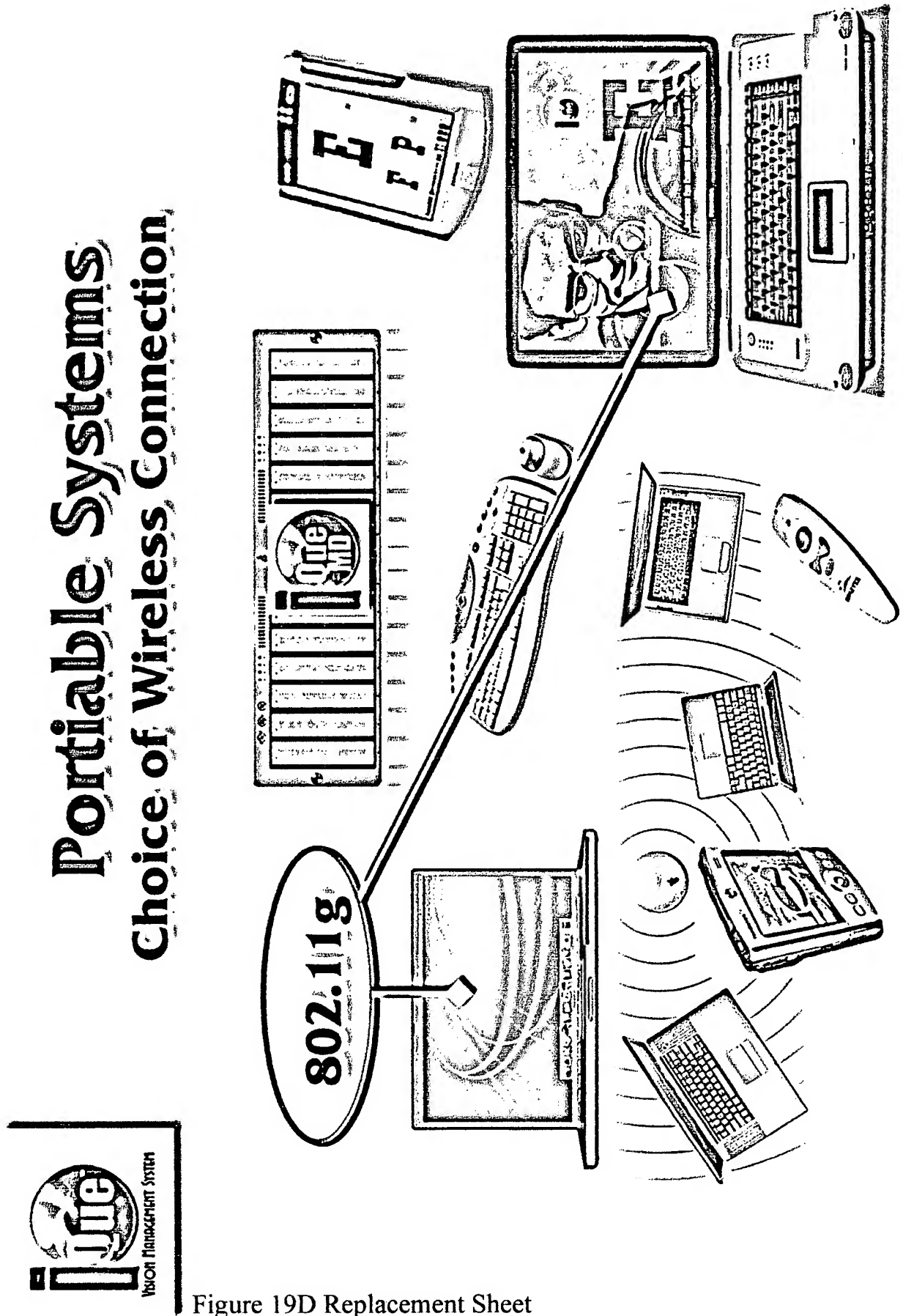


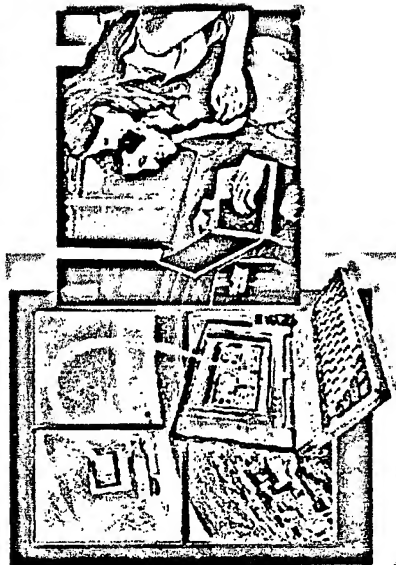
Figure 19D Replacement Sheet



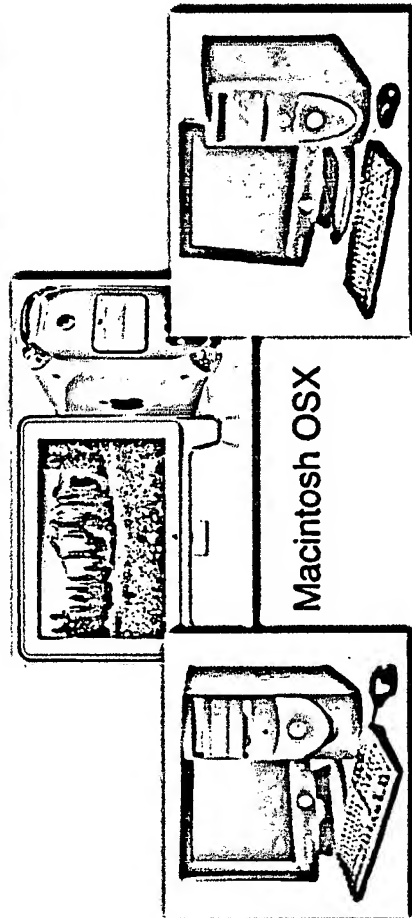
Server Combinations



Patient / Admin Records



Internet Connection

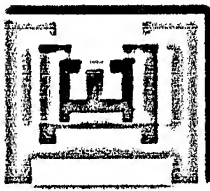


Macintosh OSX

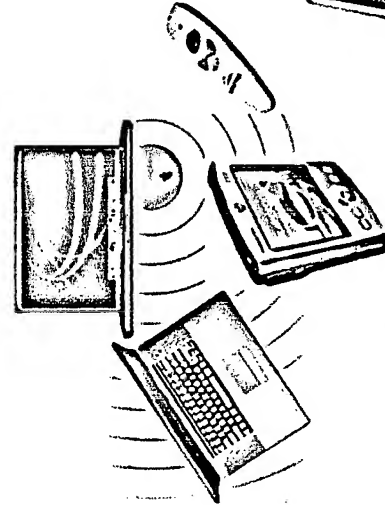
Windows OS

Multiple

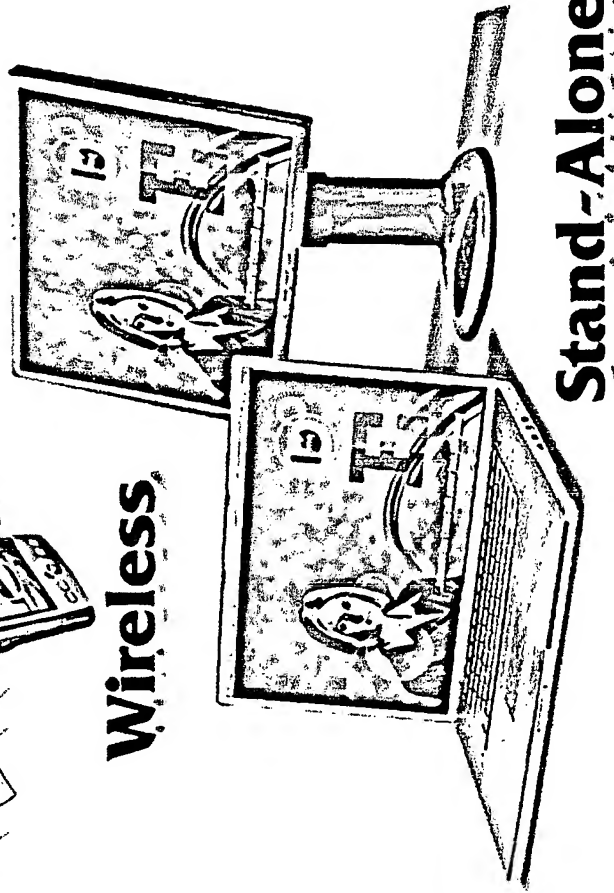
RedHat Linux



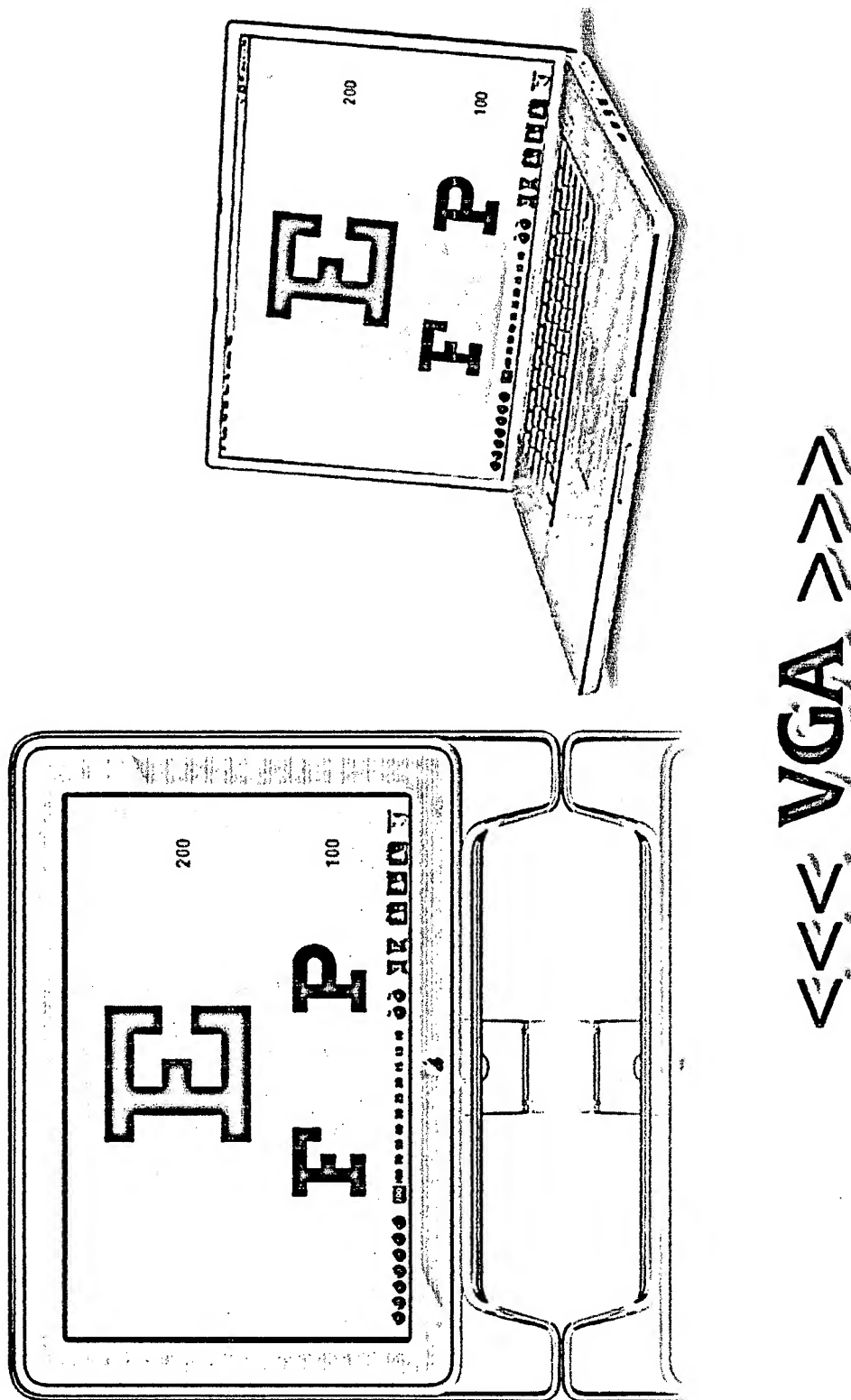
Vision Testing Side

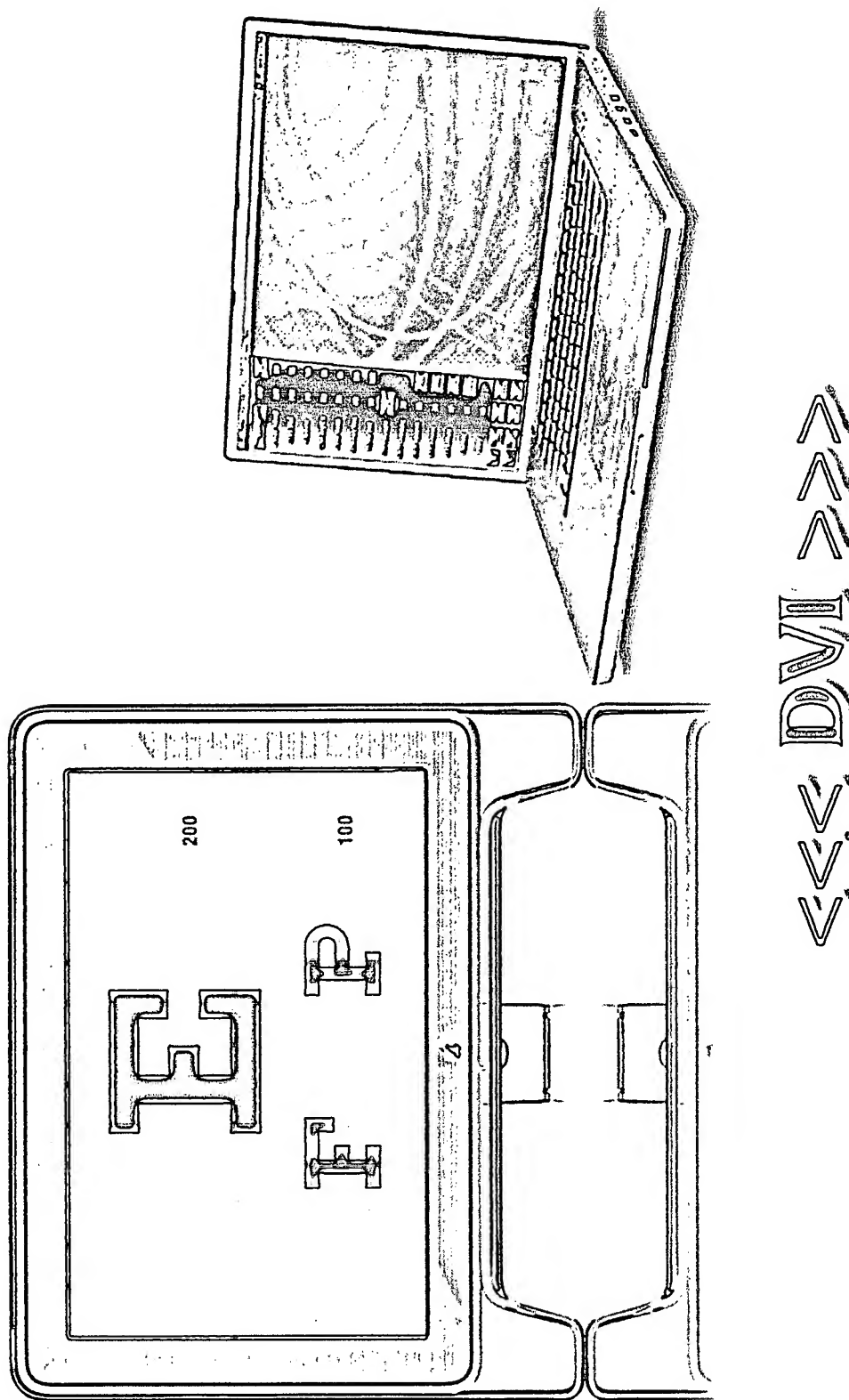


Wireless



Stand-Alone





88






200

Figure 21B Replacement Sheet

100

FEZ

1234567890
ABCDEFGHIJKLMN OPRTUVZ



11 12 13 14 15 16 17 18 19 20

21 22 23 24 25 26 27 28 29 30

31 32 33 34 35 36 37 38 39 40

41 42 43 44 45 46 47 48 49 50

51 52 53 54 55 56 57 58 59 60

61 62 63 64 65 66 67 68 69 70

71 72 73 74 75 76 77 78 79 80

81 82 83 84 85 86 87 88 89 90

91 92 93 94 95 96 97 98 99 100

101 102 103 104 105 106 107 108 109 110

111 112 113 114 115 116 117 118 119 120

121 122 123 124 125 126 127 128 129 130

131 132 133 134 135 136 137 138 139 140

141 142 143 144 145 146 147 148 149 150

151 152 153 154 155 156 157 158 159 160

161 162 163 164 165 166 167 168 169 170

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191 192 193 194 195 196 197 198 199 200

201 202 203 204 205 206 207 208 209 210

211 212 213 214 215 216 217 218 219 220

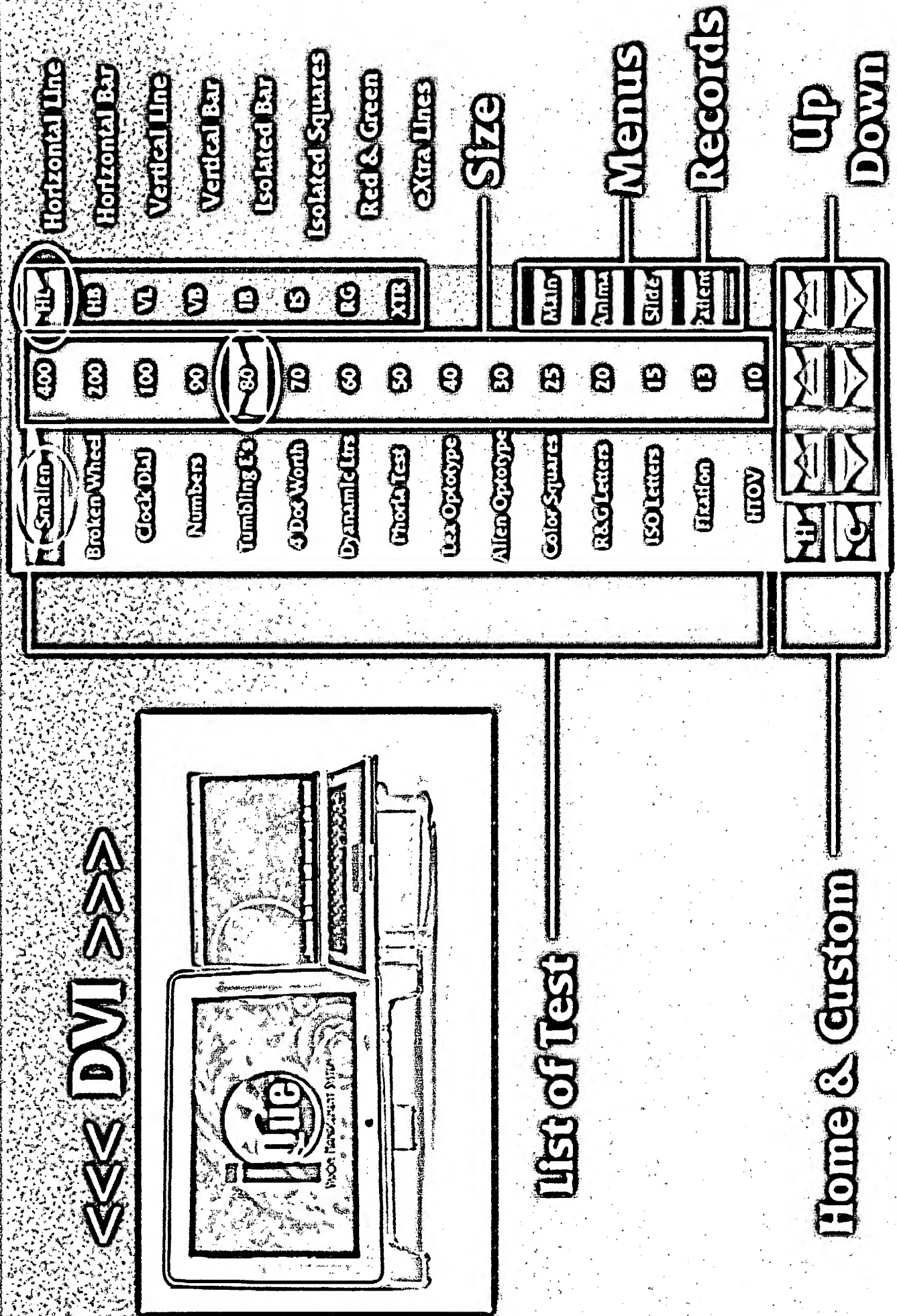
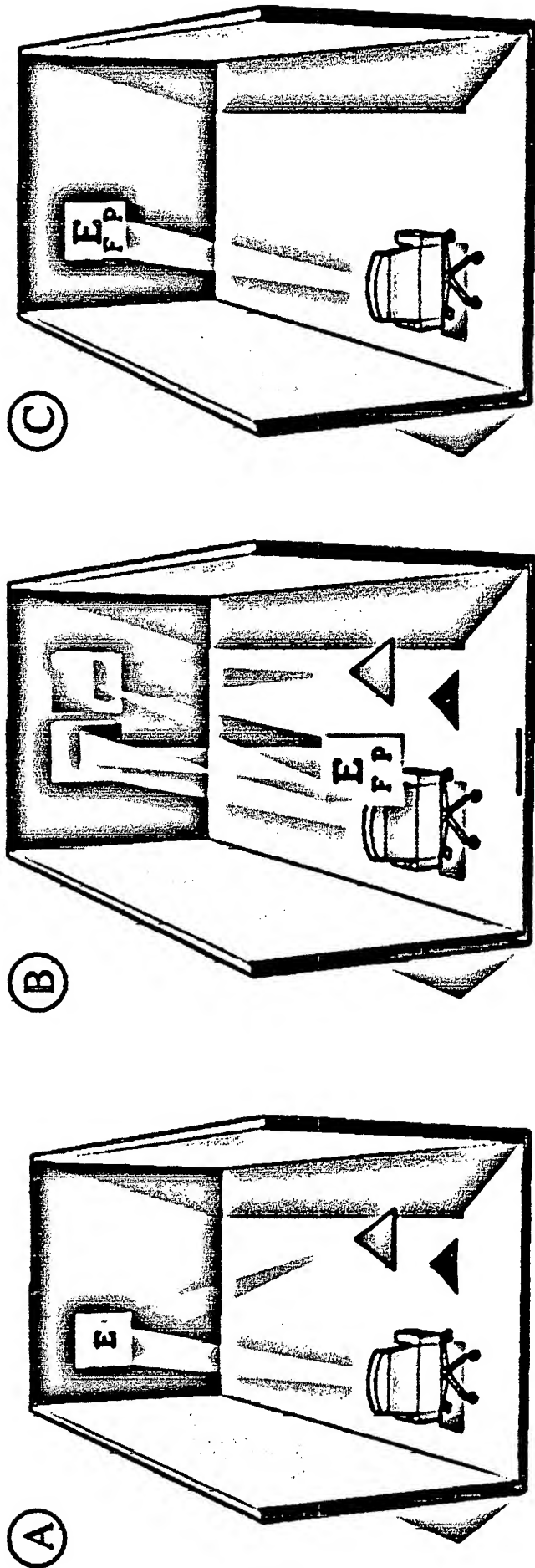


Figure 22 Replacement Sheet

Projection Systems vs iQueVision A/VTS



- Legend**
- A- Patients View vs Projection in a 20ft room
 - B- Patients View vs Projection in a 10ft Mirrored room
 - C- Patients View with iQueVision Monitor Screen in a 10 or 20ft room

Figure 23 Replacement Sheet

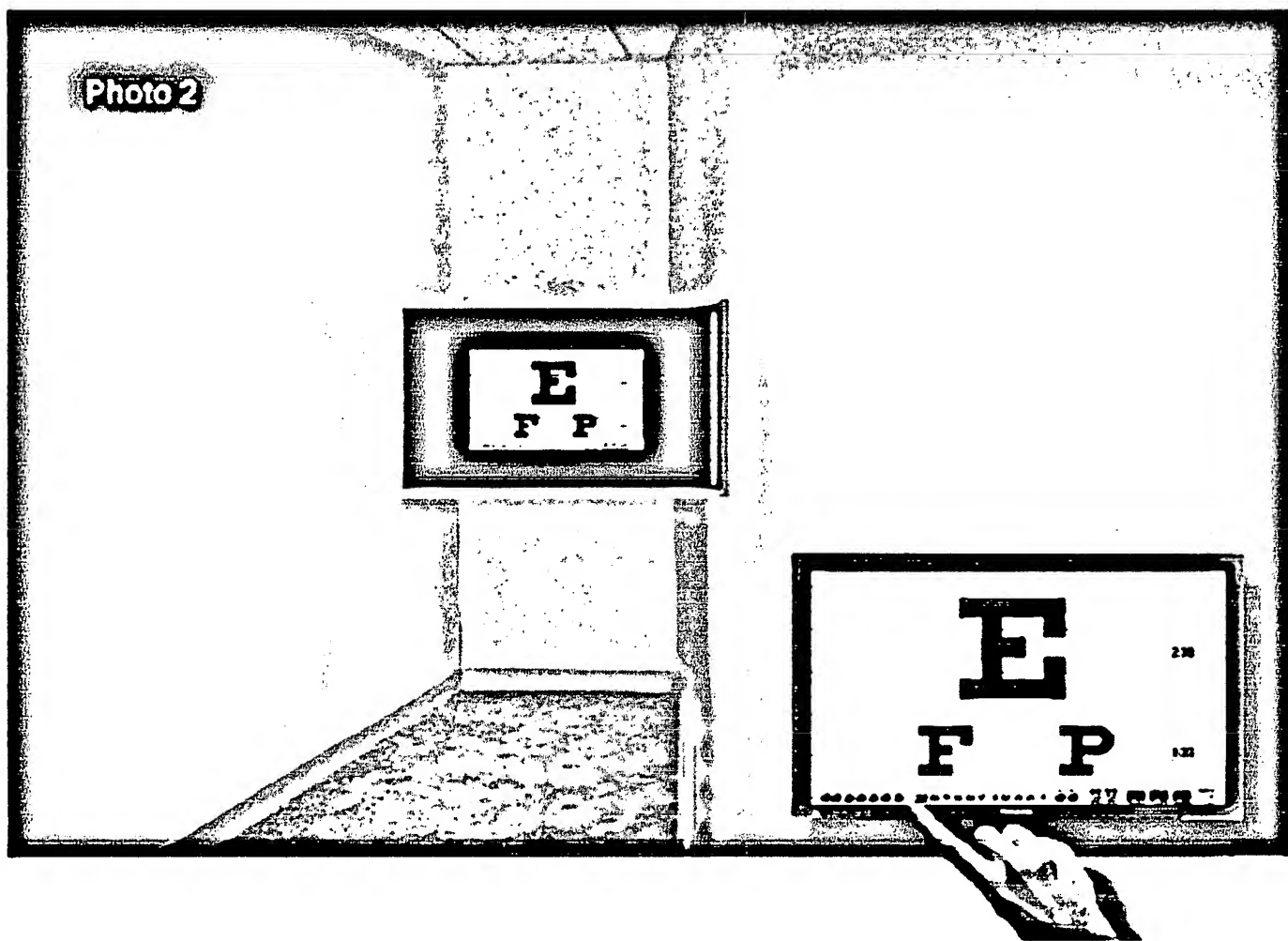
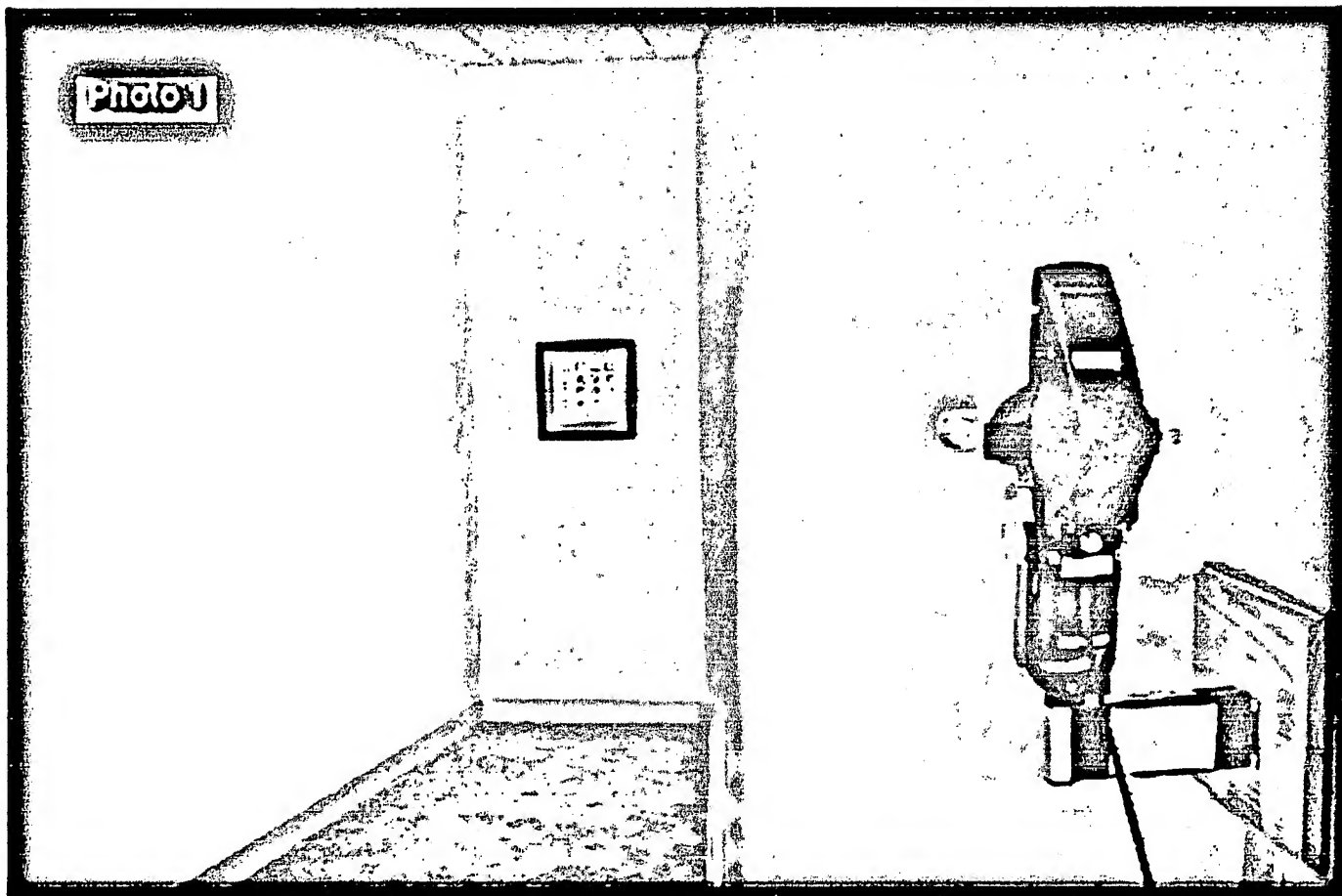


Figure 23 Replacement Sheet